CASSETTE RECEIVER

KRC-580/590

SERVICE MANUAL

KENWOOD

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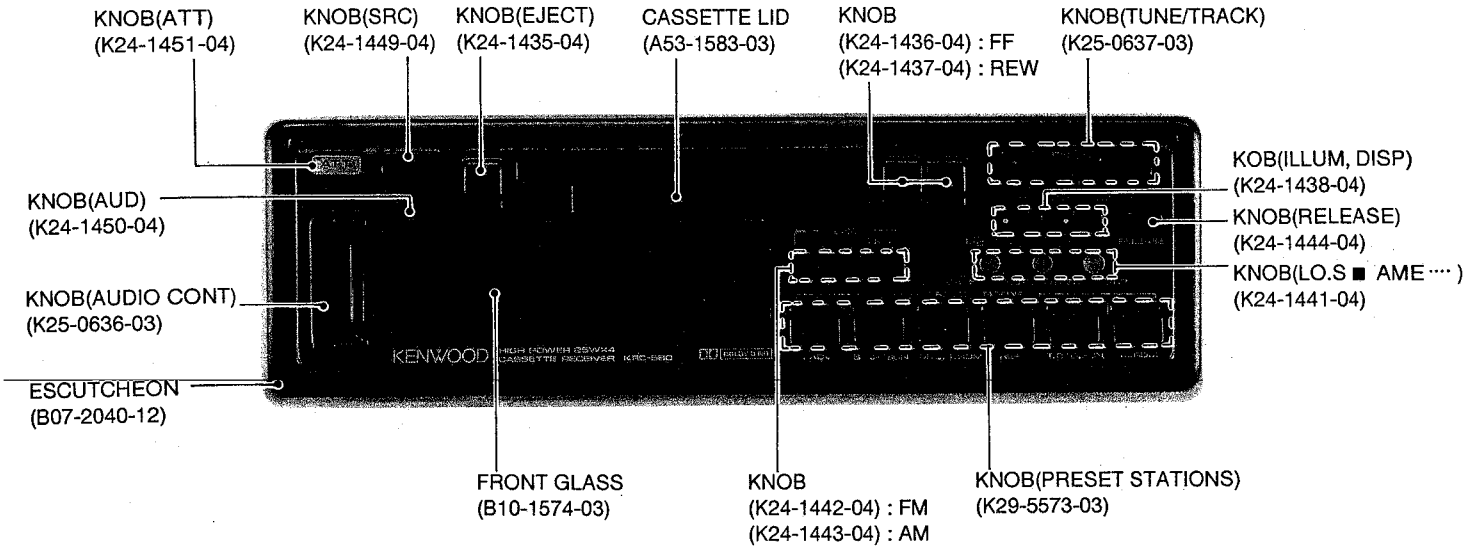
PANEL ASSY
(A64-0256-02) : KRC-580
(A64-0258-02) : KRC-590



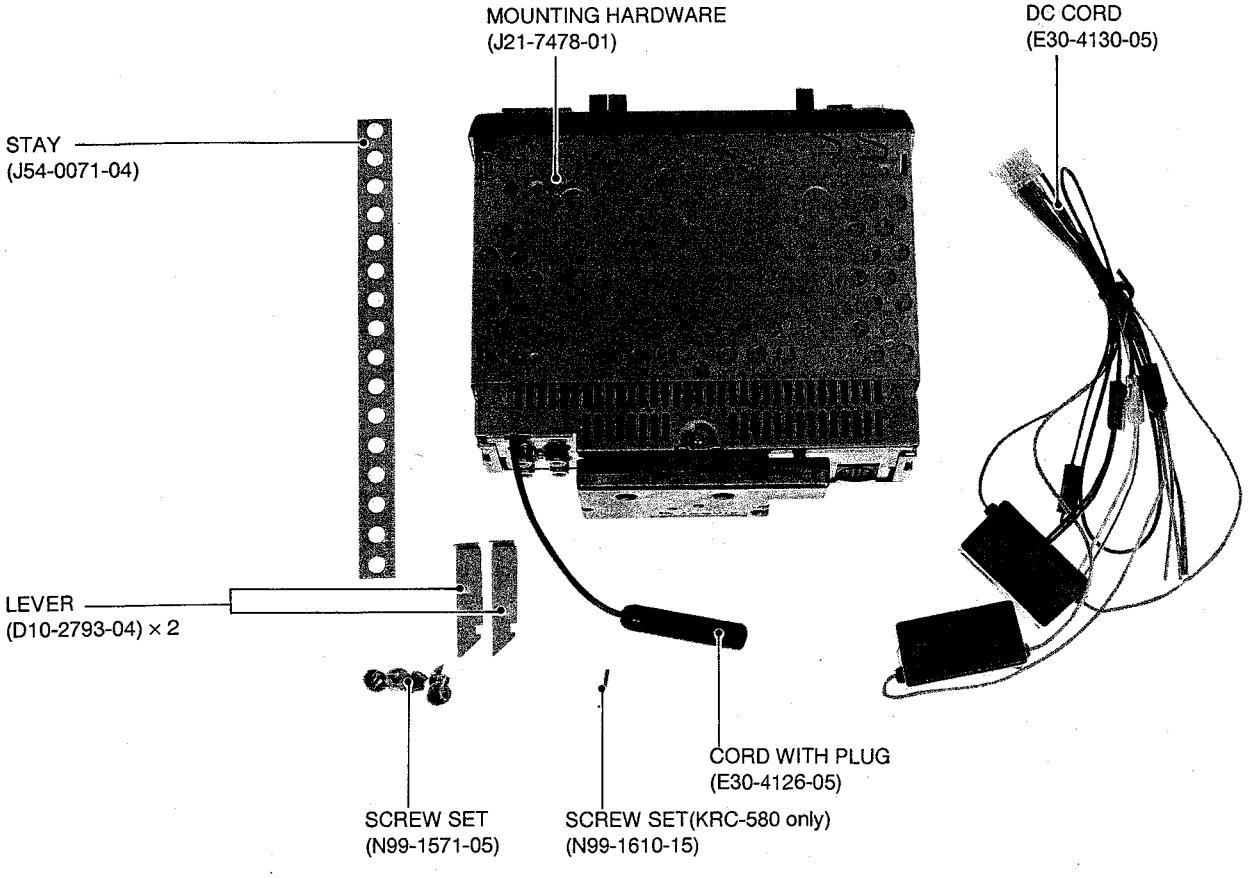


Photo is KRC-580

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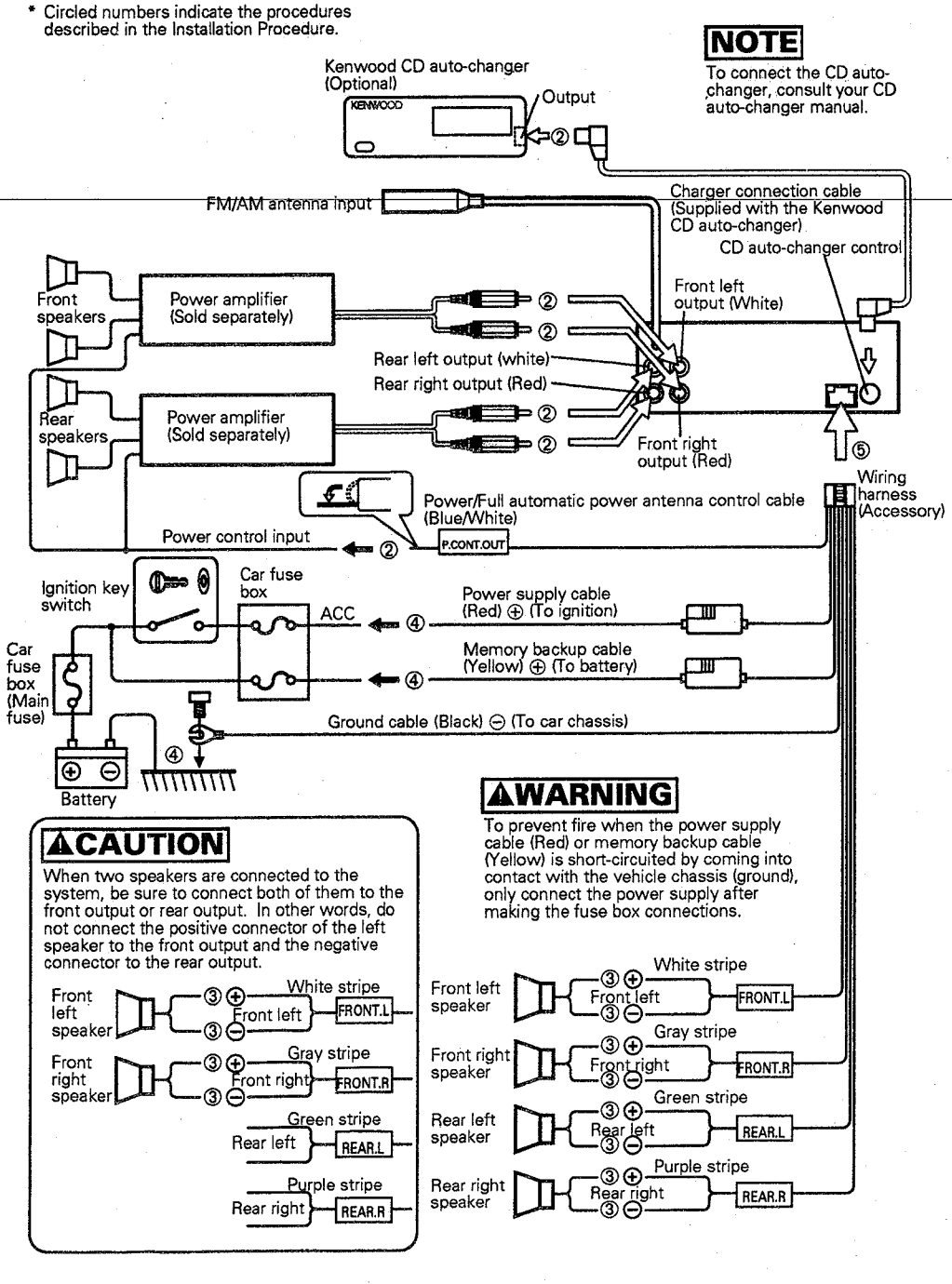
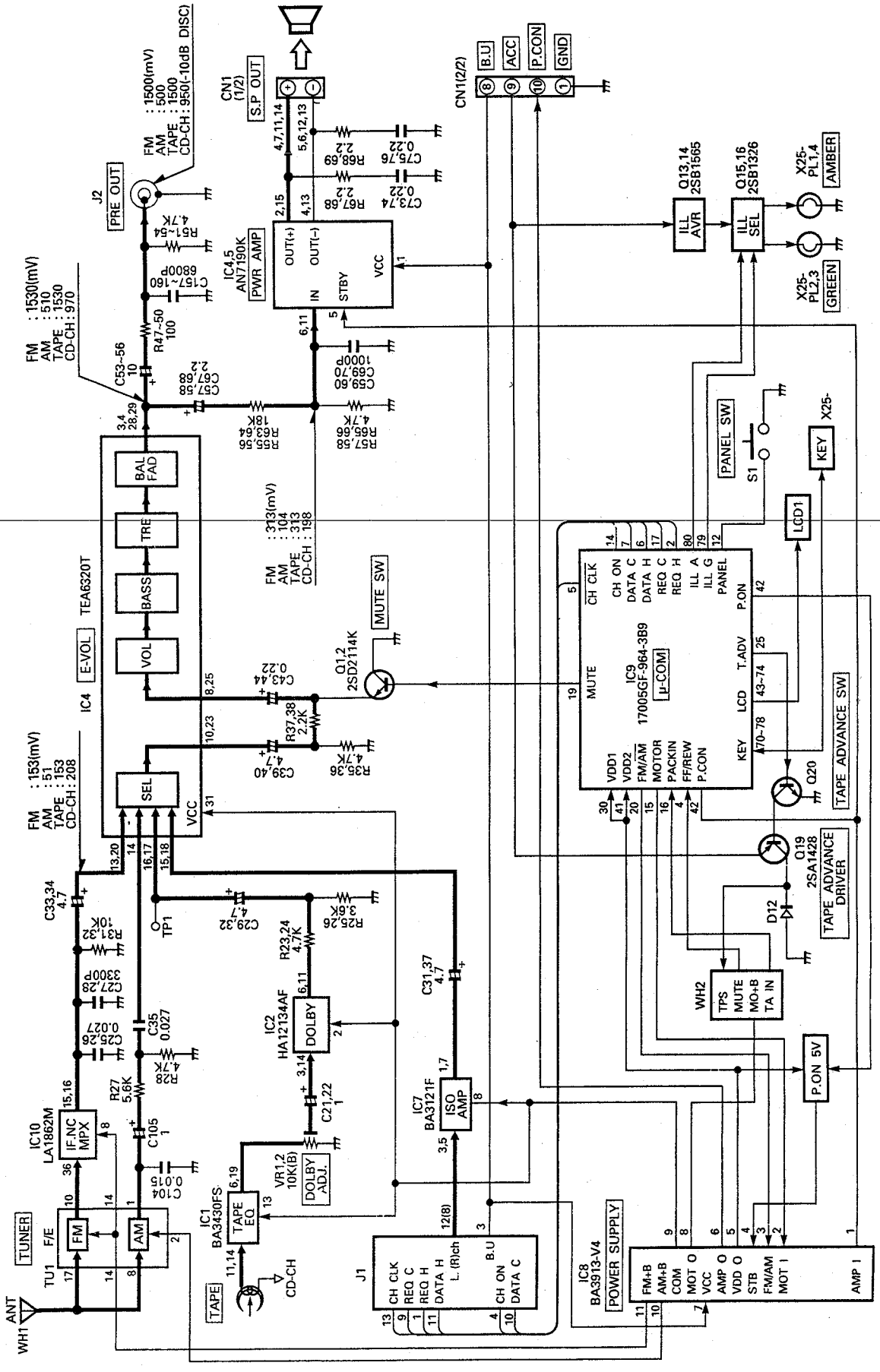
CONNECTION

* Circled numbers indicate the procedures described in the Installation Procedure.


NOTE
To connect the CD auto-changer, consult your CD auto-changer manual.
Kenwood CD auto-changer (Optional)
KENWOOD
Output
FM/AM antenna input
Charger connection cable (Supplied with the Kenwood CD auto-changer)
CD auto-changer control
Front speakers
Power amplifier (Sold separately)
Front left output (White)
Rear left output (white)
Rear right output (Red)
Rear speakers
Power amplifier (Sold separately)
Front right output (Red)
Wiring harness (Accessory)
Power/Full automatic power antenna control cable (Blue/White)
P.CONT.OUT
Power control input
Ignition key switch
Car fuse box
ACC
Power supply cable (Red) ⊕ (To ignition)
Memory backup cable (Yellow) ⊕ (To battery)
Car fuse box (Main fuse)
Ground cable (Black) ⊖ (To car chassis)
Battery
⚠CAUTION
When two speakers are connected to the system, be sure to connect both of them to the front output or rear output. In other words, do not connect the positive connector of the left speaker to the front output and the negative connector to the rear output.
Front left speaker
White stripe
Front left
FRONT.L
Front right speaker
Gray stripe
Front right
FRONT.R
Rear left
Green stripe
REAR.L
Rear right
Purple stripe
REAR.R
⚠WARNING
To prevent fire when the power supply cable (Red) or memory backup cable (Yellow) is short-circuited by coming into contact with the vehicle chassis (ground), only connect the power supply after making the fuse box connections.
Front left speaker
White stripe
Front left
FRONT.L
Front right speaker
Gray stripe
Front right
FRONT.R
Rear left speaker
Green stripe
Rear left
REAR.L
Rear right speaker
Purple stripe
Rear right
REAR.R

BLOCK DIAGRAM



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CIRCUIT DESCRIPTION

SYNTHESIZER UINT(X14-5110-10)

Ref No.	Component	Purpose, Function	Operation, Condition, Compatibility
IC1	BA3430FS	TAPE EQ	METAL switching. Function as EQ IC when MUSIC sounds.
IC2	HA12134AF	DOLBY IC(B type)	DOLBY B type IC. DOLBY B ON/OFF
IC3	NJM4565MD	Buffer	EQ to E•VOL Buffer
IC4	TEA6320T	ELECTRONIC VOL.	Volume, Tone, Fader, Loudness control
IC5	AN7190K	POWER AMP(REAR)	Rear amplifier
IC6	AN7190K	POWER AMP(FRONT)	Front amplifier
IC7	BA3121F	ISO. AMP	CD-CH isolation amplifier
IC8	XRA3913-V1	POWER IC	Power supply of +8V, +5V
IC9	17005GF-964-3B9	MASTER μ-COM	
IC10	LA1862M	FM/IF, NC, MPX	Demodulates FM signal
Q1	2SD2114K	MUTE SW	ON while L ch is MUTE
Q2	2SD2114K	MUTE SW	ON while R ch is MUTE
Q3	2SC2412K	POWER DETECTOR(B.U)	Detects B.U.
Q4	2SC2412K	POWER DETECTOR(ACC)	Detects ACC
Q5	DTA144EK	CE +5V SW	ON while BU or ACC is ON
Q6	DTC144EK	E-VOL MUTE CONTROL SW	ON while E-VOL(L,R) are MUTE
Q7	DTC144EK	P-CON DRIVER SW	ON while P-CON is OFF
Q8	DTC114YK	MUTE SW	ON while MUTE (L,R)
Q9	DTC144EK	CE SW	ON while CE +5V is OFF
Q10	DTA144EK	P•ON +5V SW	μ-COM 42 pin P-CON "H" ON while 42nd pin of μ-com (P-CON pin) is "H"
Q11	DTC144EK	P•ON SW BUFFER	μ-COM 42 pin P-CON "H" ON while 42nd pin of μ-com (P-CON pin) is "H"
Q12	DTA124EK	CH-RESET SW	ON while CH-RESET is ON
Q13	2SB1565	ILLUMI. AVR	
Q14	2SC2412K	ILLUMI. AVR	
Q15	2SB1326	ILLUMI(AMBER) DRIVER	ILL AMBER(μ-COM 80pin) "H" while ILL AMBER is ON
Q16	2SB1326	ILLUMI(GREEN) DRIVER	ILL GREEN(μ-COM 79pin) "H" while ILL GREEN is ON
Q17	DTC114EK	ILLUMI(AMBER) SW	ILL AMBER(μ-COM 80pin) "H" while ILL AMBER is ON
Q18	DTC114EK	ILLUMI(GREEN) SW	ILL GREEN(μ-COM 79pin) "H" while ILL GREEN is ON
Q19	2SA1428	TAPE ADV DRIVER	TAPE ADV (μ-COM 25pin) "H" while tape ADV. is ON
Q20	DTC114EK	TAPE ADV SW	TAPE ADV (μ-COM 25pin) "H" while tape ADV. is ON
Q21	2SK536	PLL LPF	
Q22	2SA1037K	MUTE DRIVER	ON during MUTE (Muting Driver)
Q23	DTA114EK	DSI SW	DSI SW
Q24	DTC144EK	FM LOC SW	
Q25	DTC144EK	AM AGC SW	
Q26	2SC2413K	IF AMP	
Q27	2SC2412K	S-METER TERMINAL BUFFER	ANRC CONTROL
Q29	DTA144EK	PWR AMP STBY CONTROL SW	
Q30	DTC144EK	BAND MUTE SW	

CIRCUIT DESCRIPTION

Pin No.	Component	Purpose, Function	Operation, Condition, Compatibility
Q31	2SC2412	S-METER TERMINAL BUFFER for CRSC	S-meter adjustment
Q32	2SC2412		
Q33	DTC144EK	CRSC ON/OFF SW	8th pin of μ-com "H" while CRSC is ON
Q34	DTA144EK	AFC BUFFER	
Q35	DTC114TK	AFC SW	
Q36	DTA144EK	E•VOL MUTE CONTROL SW	ON while E-VOL is MUTE
Q37	DTC144EK	E•VOL MUTE CONTROL SW	ON while E-VOL is ON
Q38	2SC2412K	PWR AMP STBY CONTROL SW	ON while STAND-BY is ON
Q39	2SC2412K	P-CON Power IC STBY CONTROL	μ-COM 42pin P-CON "H" while P-CON, STAND-BY are ON

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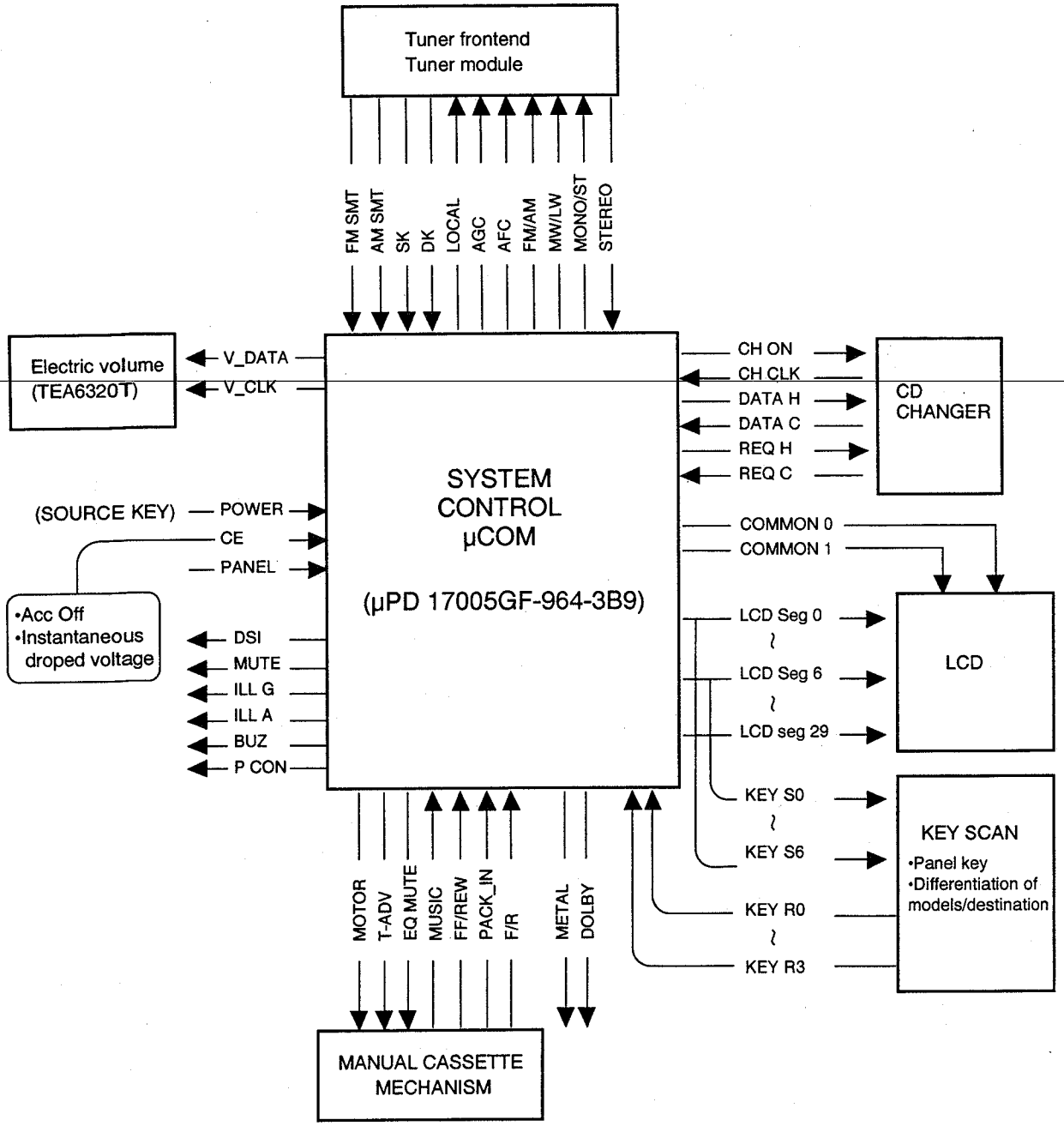
CIRCUIT DESCRIPTION

IC9 : μPD17005GF-964-3B9(X14-)

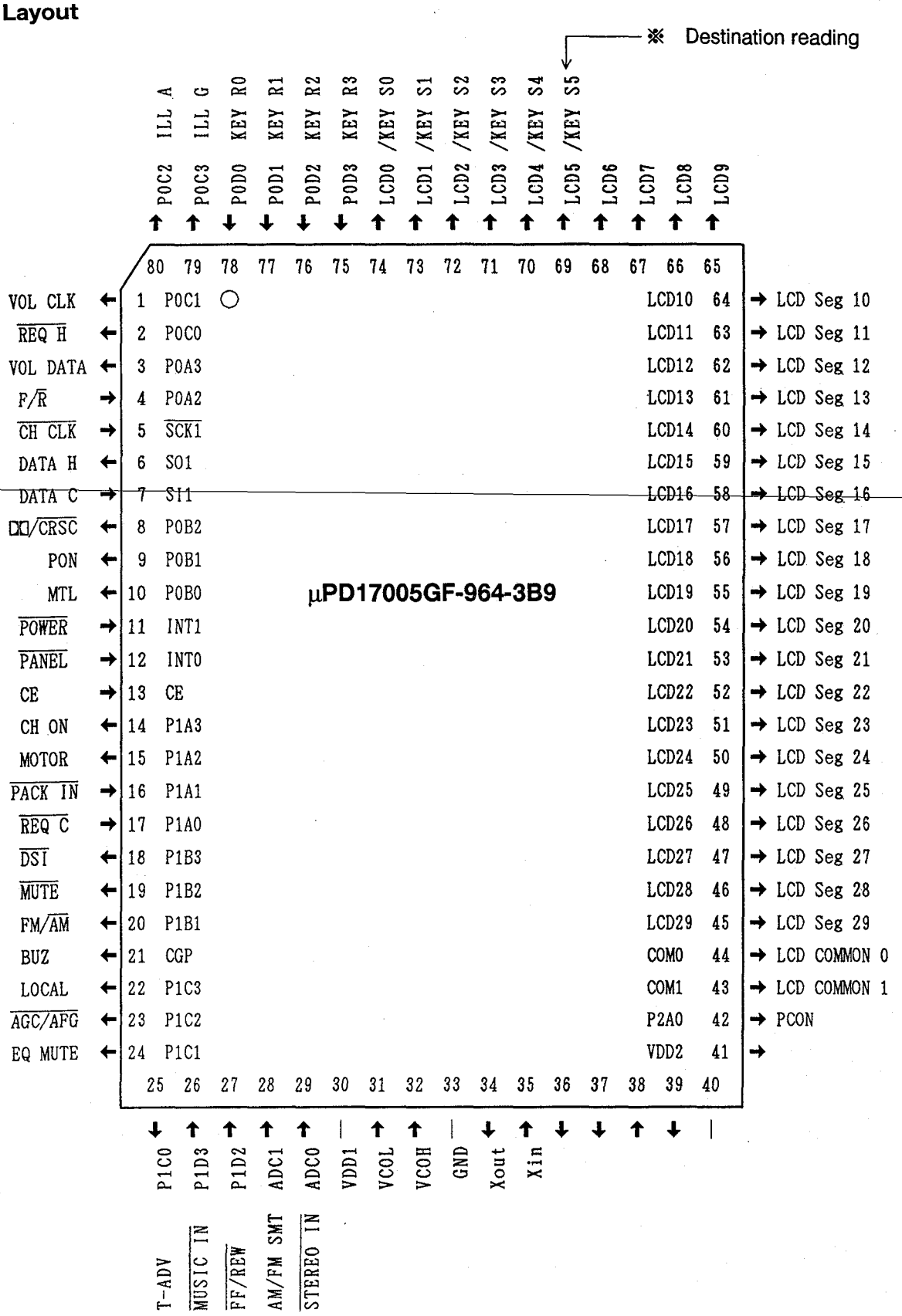
SYSTEM CONTROL μ-COM

1.Block diagram



CIRCUIT DESCRIPTION

2.Pin Layout


※ Destination reading
80 POC2 ILL A
79 POC3 ILL G
78 POD0 KEY R0
77 POD1 KEY R1
76 POD2 KEY R2
75 POD3 KEY R3
74 LCD0 /KEY S0
73 LCD1 /KEY S1
72 LCD2 /KEY S2
71 LCD3 /KEY S3
70 LCD4 /KEY S4
69 LCD5 /KEY S5
68 LCD6
67 LCD7
66 LCD8
65 LCD9
VOL CLK ← 1 P0C1
REQ H ← 2 P0C0
VOL DATA ← 3 P0A3
F/R → 4 P0A2
CH CLK → 5 SCK1
DATA H ← 6 SO1
DATA C → 7 SI1
□□/CRSC ← 8 P0B2
PON ← 9 P0B1
MTL ← 10 P0B0
POWER → 11 INT1
PANEL → 12 INT0
CE → 13 CE
CH ON ← 14 P1A3
MOTOR ← 15 P1A2
PACK IN → 16 P1A1
REQ C → 17 P1A0
DSI ← 18 P1B3
MUTE ← 19 P1B2
FM/AM ← 20 P1B1
BUZ ← 21 CGP
LOCAL ← 22 P1C3
AGC/AFG ← 23 P1C2
EQ MUTE ← 24 P1C1
LCD10 64 → LCD Seg 10
LCD11 63 → LCD Seg 11
LCD12 62 → LCD Seg 12
LCD13 61 → LCD Seg 13
LCD14 60 → LCD Seg 14
LCD15 59 → LCD Seg 15
LCD16 58 → LCD Seg 16
LCD17 57 → LCD Seg 17
LCD18 56 → LCD Seg 18
LCD19 55 → LCD Seg 19
LCD20 54 → LCD Seg 20
LCD21 53 → LCD Seg 21
LCD22 52 → LCD Seg 22
LCD23 51 → LCD Seg 23
LCD24 50 → LCD Seg 24
LCD25 49 → LCD Seg 25
LCD26 48 → LCD Seg 26
LCD27 47 → LCD Seg 27
LCD28 46 → LCD Seg 28
LCD29 45 → LCD Seg 29
COM0 44 → LCD COMMON 0
COM1 43 → LCD COMMON 1
P2A0 42 → PCON
VDD2 41 →
μPD17005GF-964-3B9
25 P1C0 T-ADV
26 P1D3 MUSIC IN
27 P1D2 FF/REW
28 ADC1 AM/FM SMT
29 ADC0 STEREO IN
30 VDD1
31 VCOL
32 VCOH
33 GND
34 Xout
35 Xin
36
37
38
39
40

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CIRCUIT DESCRIPTION

3.Pin Description

Pin No.	PORT	Name	I/O	Description
1	POC1	VOL CLK	O	Electric VOLUME CLOCK LINE
2	POC0	REQ H	O	Communications handshake request or transmission Head Unit → CD-CH Active "L"
3	POA3	VOL DATA	O	Electric Volume DATA LINE
4	POA2	F/R	I	Tape running direction detection FWD/REV switching "L"=REV
5	SCK1	CH CLK	I	CD-CH CLOCK LINE CD-CH → Head Unit Active "L"
6	SO1	DATA H	O	CD-CH DATA LINE Head Unit → CD-CH
7	SI1	DATA C	I	CD-CH DATA LINE CD-CH → Head Unit
8	POB2	/CRSC	O	DOLBY control output CRSC ON/OFF switching "L" =CRSC ON
9	POB1	PON	O	System power supply control output
10	POB0	MTL	O	Tape Equalizer control output
11	INT1	POWER	I	"SOURCE" key input Active "L"
12	INT0	PANEL	I	Panel detachment/attachment detection Active "L"
13	CE	CE	I	Instantaneous droped voltage and ACC detection terminal
14	P1A3	CH ON	O	CD-CH control output
15	P1A2	MOTOR	O	Cassette mechanism main motor control output
16	P1A1	PACK IN	I	Cassette mechanism pack insertion detection Active "L"
17	P1A0	REQ C	I	Communications handshake request from CD-CH CD-CH → Head Unit Active "L"
18	P1B3	DSI	O	Theft prevention LED output when panel is detached Active "L"
19	P1B2	MUTE	O	Audio MUTE output Active "L"
20	P1B1	FM/AM	O	FM/AM band switching power supply output "L" = AM
21	CGP	BUZ	O	Buzzer output
22	P1C3	LOCAL	O	LOCAL sensitivity control output
23	P1C2	AGC/AFC	O	AGC Cut output/ AFC Cut output Active "L"
24	P1C1	EQMUTE	O	TAPE audio OFF
25	P1C0	T-ADV	O	Tape advance control output
26	P1D3	MUSIC IN	I	Track presence/ absence detection Active "L"
27	P1D2	FF/REW	I	Input during fast forward/ rewind Active "L"
28	ADC1	AM/FM SMT	I	AM/FM station detection input terminal (detection voltage *1)
29	ADC0	STEREO IN	I	FM STEREO signal input terminal (V_{REF} = 2.070V) Active "L"
30	VDD1			Positive power supply terminal
31	VCOL	Unused	I	Connect to GND
32	VCOH	Unused	I	Connect to GND
33	GND			
34	Xout		O	Quartz oscillator connection terminal
35	Xin		I	
36	EO 0	Unused	O	Open
37	EO 1	Unused	O	Open
38	LPFin	Unused	I	Connect to GND
39	LPFout	Unused	O	Open
40	V LPF			

*1. AM/FM station detect input terminal detection voltage

•During normal mode
AM 0.508V or above
FM 0.352V or above

•During test mode
AM between 0.508V and 0.586V
FM between 0.352V and 0.430V

CIRCUIT DESCRIPTION

Pin No.	PORT	Name	I/O	Description
41	VDD2		O	Positive power supply terminal
42	P2A0	PCON	O	Power control
43	COM1	LCD COM1	O	LCD common terminal 1
44	COM0	LCD COM0	O	LCD common terminal 0
45	LCD29	LCD Seg29	O	LCD segment terminal 29
46	LCD28	LCD Seg28	O	LCD segment terminal 28
47	LCD27	LCD Seg27	O	LCD segment terminal 27
48	LCD26	LCD Seg26	O	LCD segment terminal 26
49	LCD25	LCD Seg25	O	LCD segment terminal 25
50	LCD24	LCD Seg24	O	LCD segment terminal 24
51	LCD23	LCD Seg23	O	LCD segment terminal 23
52	LCD22	LCD Seg22	O	LCD segment terminal 22
53	LCD21	LCD Seg21	O	LCD segment terminal 21
54	LCD20	LCD Seg20	O	LCD segment terminal 20
55	LCD19	LCD Seg19	O	LCD segment terminal 19
56	LCD18	LCD Seg18	O	LCD segment terminal 18
57	LCD17	LCD Seg17	O	LCD segment terminal 17
58	LCD16	LCD Seg16	O	LCD segment terminal 16
59	LCD15	LCD Seg15	O	LCD segment terminal 15
60	LCD14	LCD Seg14	O	LCD segment terminal 14
61	LCD13	LCD Seg13	O	LCD segment terminal 13
62	LCD12	LCD Seg12	O	LCD segment terminal 12
63	LCD11	LCD Seg11	O	LCD segment terminal 11
64	LCD10	LCD Seg10	O	LCD segment terminal 10
65	LCD9	LCD Seg9	O	LCD segment terminal 9
66	LCD8	LCD Seg8	O	LCD segment terminal 8
67	LCD7	LCD Seg7	O	LCD segment terminal 7
68	LCD6	LCD Seg6	O	LCD segment terminal 6
69	LCD5/KS5	Seg5/KS5	O	LCD segment terminal 5/ Key scan 5(Destination reading, during initialization only *2)
70	LCD4/KS4	Seg4/KS4	O	LCD segment terminal 4/ Key scan 4
71	LCD3/KS3	Seg3/KS3	O	LCD segment terminal 3/ Key scan 3
72	LCD2/KS2	Seg2/KS2	O	LCD segment terminal 2/ Key scan 2
73	LCD1/KS1	Seg1/KS1	O	LCD segment terminal 1/ Key scan 1
74	LCD0/KS0	Seg0/KS0	O	LCD segment terminal 0/ Key scan 0
75	KR3	KEY R3	I	Key input 3
76	KR2	KEY R2	I	Key input 2
77	KR1	KEY R1	I	Key input 1
78	KR0	KEY R0	I	Key input 0
79	POC3	ILLA	O	Illumination output "amber"
80	POC2	ILLG	O	Illumination output "green"

2. Destination reading

	KEY R0	KEY R1	KEY R2	KEY R3
KRC-580	L	H	*	*
KRC-590	H	H	*	*

*: Don't care bits

CIRCUIT DESCRIPTION

4.Key description

		TUNER	TAPE	CD-CH
1	▲	TAPE EJECT(during pack-in)		
2	FF/REW PROG	FF/REWIND(diring pack-in) REVERSE(during pack-in)		
3	● SOURCE	POWER ON→TUNER→TAPE→CD-CH ↑ POWER OFF POWER ON→LAST MODE without initialization		
4	- ◄◄ ►► + TUNE	TUNER UP/DOWN	×	TRACK UP/DOWN ■CUE/REVIEW
5	FM +	FM 1,2,3 ↑CRSC ON/OFF	×	DISC UP
6	AM -	AM	×	DISC DOWN
7	● AUTO/■TIMER	MANUAL/AUTO switch	×	×
		↑TIMER ON/OFF		
8	● LO.S/ ■AME	LOCAL.S ON/OFF ↑2AUTO MEMORY START	×	×
9	● DISP	CLOCK DISPLAY ON/OFF ■ + TUNE KEY → CLOCK ADJUST		
		■TIMER ADJUST	×	×
10	● ILLUM/ ■/ P / N	ILLUMINATION switch ↑DISPLAY NEGA/POSI switch		
11	● PRP	PRP ON/OFF		
12	● ATT/ ■LOUD	ATTENUATOR ON/OFF ↑LOUDNESS ON/OFF		
13	● AUDIO	BAS→TRE→BAL→FAD→VOLUME ↑VOLUME return		
14	∧ ∨ UP/DOWN	VOLUME/TONE/BALANCE/FADER CONTROL(UP/DOWN)		
15	OPEN	Panel detachment/attachment		
16	1	CH. CALL 1 ↑2PRESET MEMORY 1	TAPE ADVANCE	×
17	2	CH. CALL 2 ↑2PRESET MEMORY 2	◫◫ B	TRACK-SCAN
18	3	CH. CALL 3 ↑2PRESET MEMORY 3	METAL	TRACK-RANDOM
19	4	CH. CALL 4 ↑2PRESET MEMORY 4	×	TRACK-REPEAT DISC REPEAT
20	5	CH. CALL 5 ↑2PRESET MEMORY 5	TUNER CALL	DISC-SCAN
21	6	CH. CALL 6 ↑2PRESET MEMORY 6	×	MAGAZINE-RANDOM

CIRCUIT DESCRIPTION

5.KEY MATRIX

	R0	R1	R2	R3
C0	▶▶| TUNE+ TRACK+	①/T.ADV	④/REP/D.REP	⑥/M.RDM
C1	|◀◀ TUNE- TRACK-	②/B NR/SCN	⑤/T.C/D.SCN	AM/DISC -
C2	PRP	③/MTL/T.RDM		FM/DISC + MC
C3	DISP	LO.S AME	AUTO TIMER	ILL P/N
C4	AUDIO	ATT LOUD	∧ VOL UP	∨ VOL DOWN

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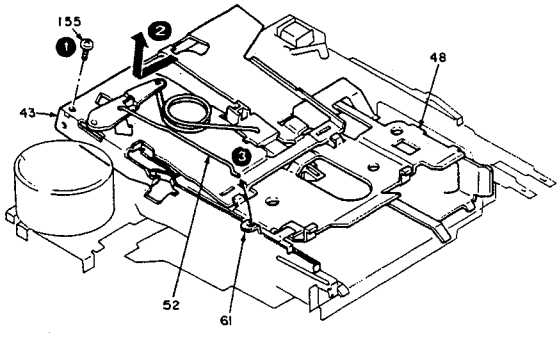
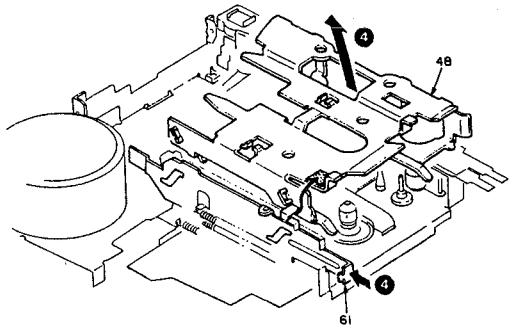
MECHANISM OPERATION DESCRIPTION

REMOVAL

1. Remove screw (155) (❶).
2. Rotate the lifter (43) to the left and lift it up to remove (❷).
3. Remove the rod (52) from the eject lever (61) (❸).

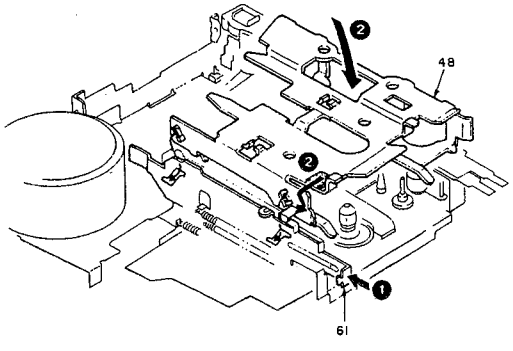


4. While pressing in on the eject lever (61), remove the holder (48) (❹).

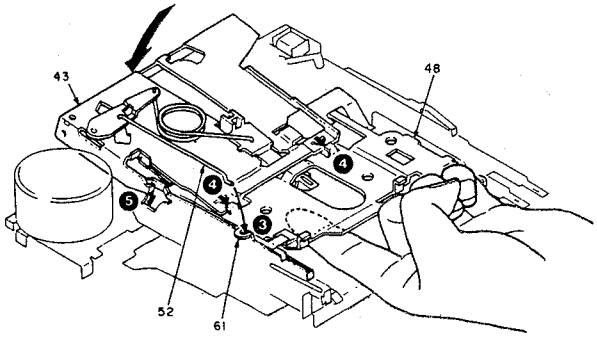


SET UP

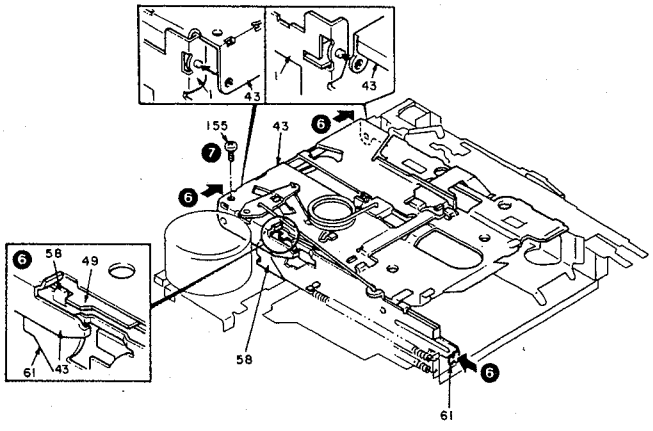
1. While pressing in on the eject lever (61), attach the holder (48) (❶).
2. Insert the holder's (48) projecting tab into the push plate's groove (❷).



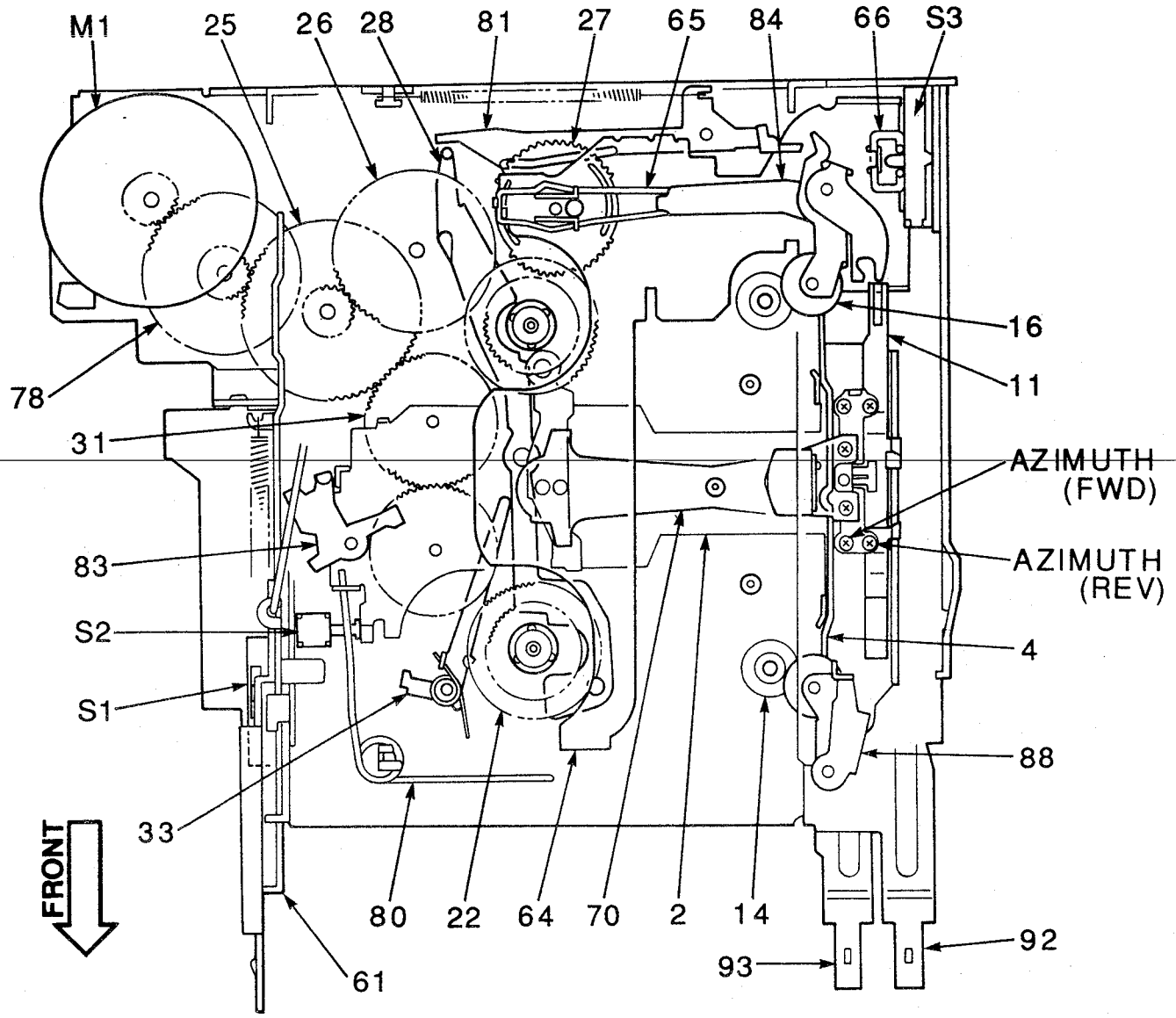
3. Insert the rod (52) into the hole in the eject lever (61) (❸).
4. While lifting up the holder (48), engage the lifter (43) (❹).
5. Move the lifter (43) down so that it aligns with the eject lever's (61) cut out (❺) section.



6. Align the lifter (43) with the chassis (1) projections and move it to the right to engage (see diagram) (❻).
7. Secure the assembly by attaching the screw (❼).



MECHANISM OPERATION DESCRIPTION



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MECHANISM OPERATION DESCRIPTION

LOADING

1. Insert a cassette tape (❶).

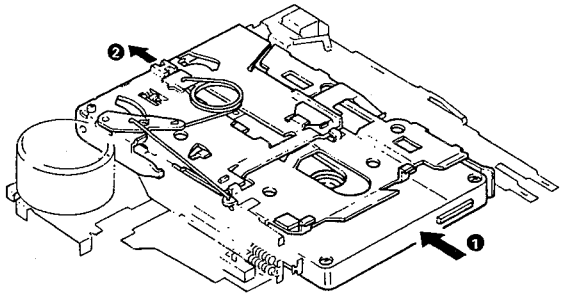


Fig. 1

2. The pack slider (50) presses the lever (49) (❷).
3. The lever (49) rotates and the push plate (58) lock releases. The push plate is pulled by spring (59) and moves forward (❸).

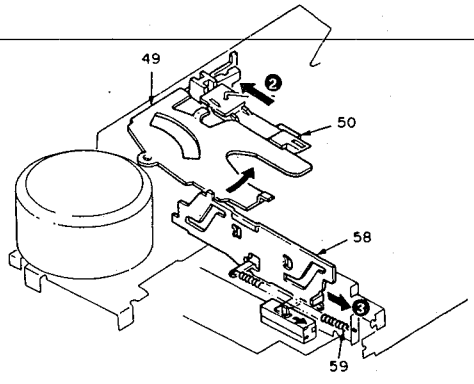


Fig. 2

4. The holder (48) lowers following the groove in the push plate (58) (❹).
5. The slide switch (S1) is pressed by the push plate (58) and turns ON. When S1 turns ON, current is supplied to the motor (M1) (❺).

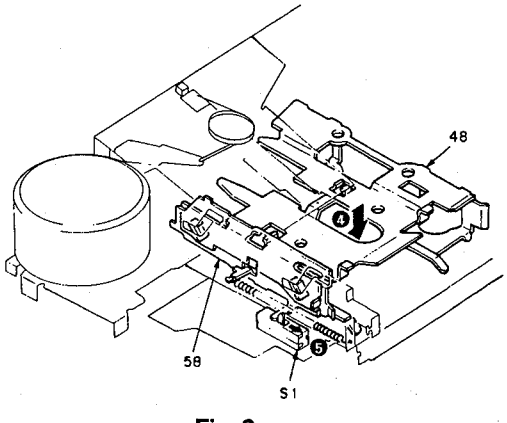


Fig. 3

MECHANISM OPERATION DESCRIPTION

6. The push arm (83) is pressed by the push plate (58) and rotates. The push arm (83) releases the head plate (2) lock (❻).
7. The head plate (2) is pulled forward by the spring (80) (❼).

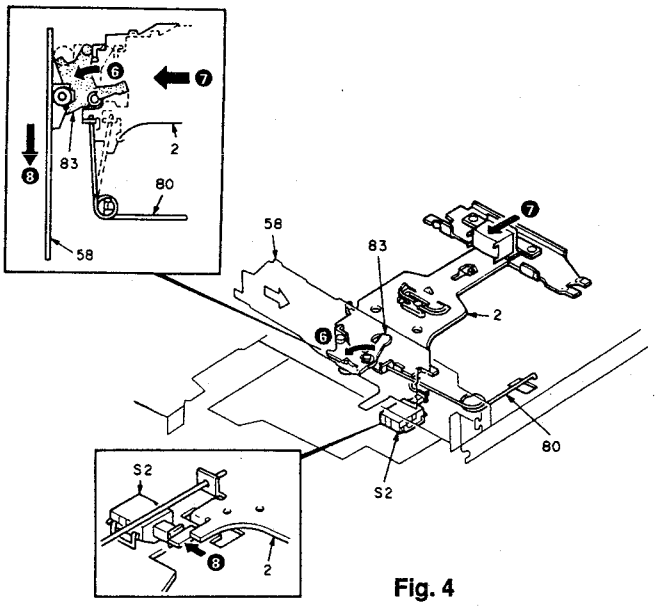


Fig. 4

8. The forward movement of the head plate (2) causes the push switch (S2) to turn ON (❽).

9. Through the forward movement of the head plate (2), the PR spring (4) causes the pinch roller assembly (16, 17) to press against the capstan assembly (74) (❾).

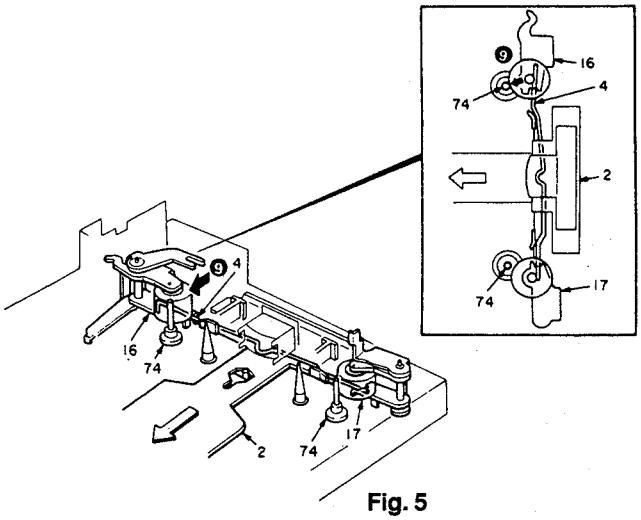


Fig. 5

10. The rotation of the motor is transmitted through various gears (78 → 25 → 31 → 6 →) to drive the winding side reel disk assembly (22) (❿).
11. The sending side reel disk assembly (22) is not driven by the motor rotation because it is separated from the play gear (6) (⓫).

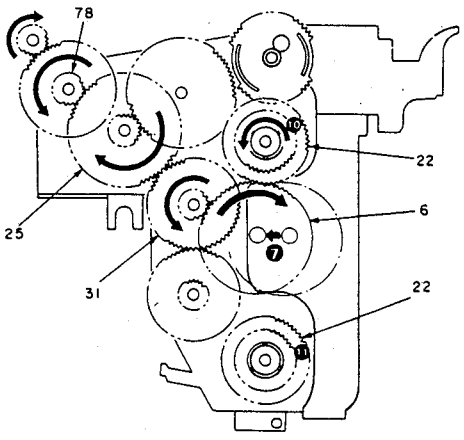


Fig. 6

KRC-580/590

MECHANISM OPERATION DESCRIPTION

PROGRAM (Manual Program Change)

1. When pressing FF/REW (92 and 93) levers at the same time (❶), the levers are placed into a slot on the PC (Play Change) plate (94) in direction of arrow (❷) in Fig.7.
2. The PC plate (94) moves in the direction of arrow (❸), trigger arm (81) is kicked in the direction of arrows (❹) and (❺), thereby releasing the turn-over gear (27).
3. The turn-over gear (27) is rotated in the direction of arrow (❻) by ED (End Detector) gear (26), which moves main plate (64).

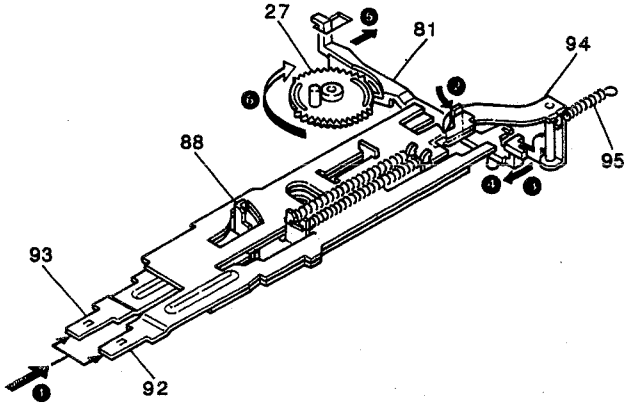


Fig. 7

4. The main plate (64) slides in direction of arrow (❼) in Fig.8 causing the following part movements;
   a) Head switch (1 0) movement is changed per arrow (❽)
   b) Force transferred from pinch roller spring (4) changes the relation of pinch roller and capstan to each other, per arrow (❾).
   c) Seesaw plate (20) is moved by the main plate and seesaw plate spring (65), and moves seesaw working plate (84). All FF/REW operation is performed by this seesaw plate movement. See arrow (❿).

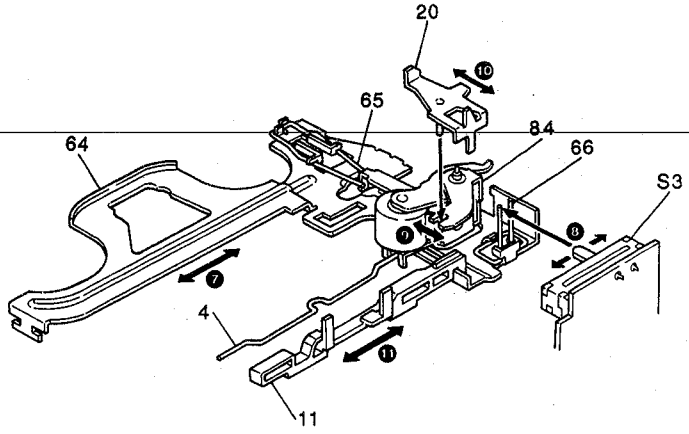
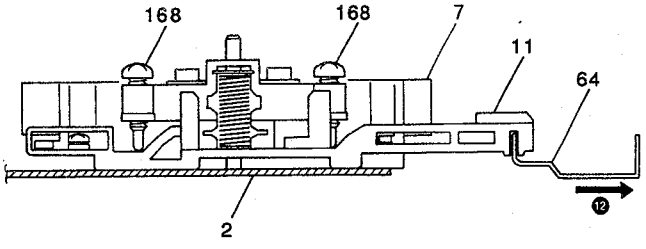


Fig. 8

   d) The shift plate (11) is moved in direction of arrow (⓫), and head moves up and down per arrows (⓬ , ⓭ and ⓮) in Fig.9.



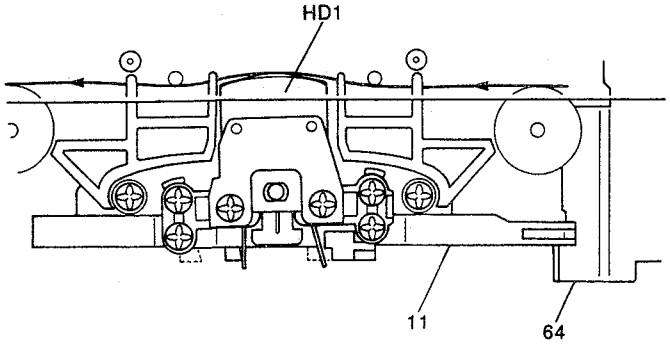


Fig. 10

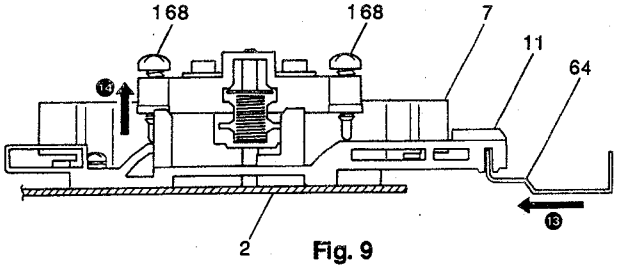


Fig. 9

MECHANISM OPERATION DESCRIPTION

e) The play gear metal (5) is engaged, per arrows (⑮) and (⑯) in Fig. 11. Then play gear (6) is connected to take-up reel assembly (22) on forward side in FWD play, and connected to the other take-up reel assembly in REV play. Rotation from the play clutch (31) is transferred to take-up reel assembly per arrows (⑰) and (⑱) in Fig.11. As mentioned above, the direction in play mode can be changed. During play mode active, the head panel is moved backward by head panel return arm (88) in direction of arrow (⑲) in Fig.11. The Mute switch (S2) is turned on per arrow (⑳), and play mode is not reversed while FF/REW levers are pushed by operation of anti-reverse arm (33). See Fig. 12.

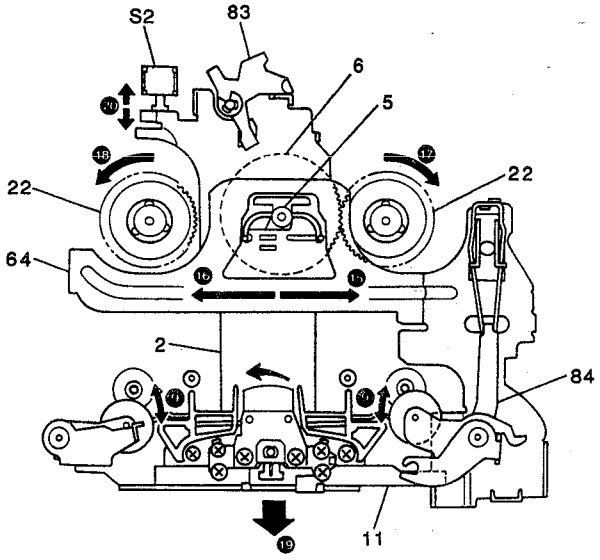


Fig. 11

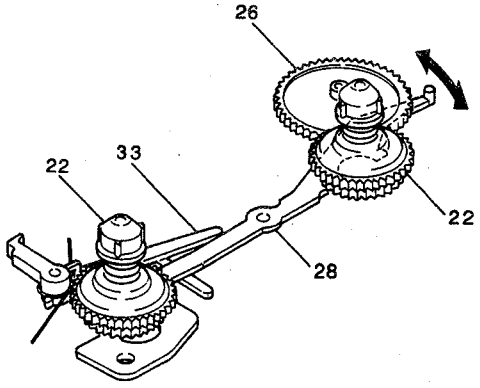


Fig. 12

KRC-580/590

MECHANISM OPERATION DESCRIPTION

FF

1. Press the FF lever (92) (❶).
2. The return arm (88) is pushed by the FF lever (92) and rotates (❷).
3. The head plate (2) is pulled by the return (88) and moves back (❸).
4. The seesaw plate (20) is pushed by the FF lever (92) and rotates (❹).

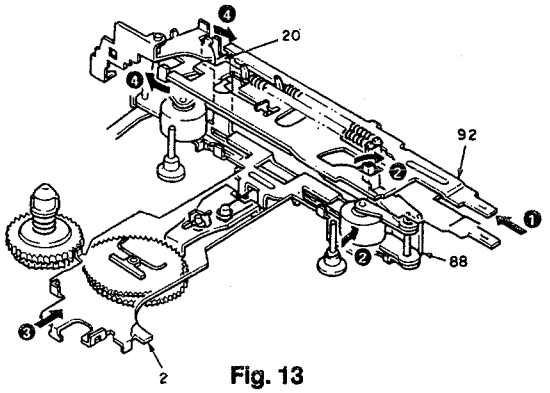


Fig. 13

5. The FR slide plate (86) is pulled by the seesaw plate (20) and moves forward (❺).
6. The working plate (70) is pulled by the FR slide plate (86), and the FR gear (71) engages with the clutch assembly (31) and winding side reel disk assembly (22) (❻).
7. The FF lever (92) is locked by the lock plate (96) (❼).

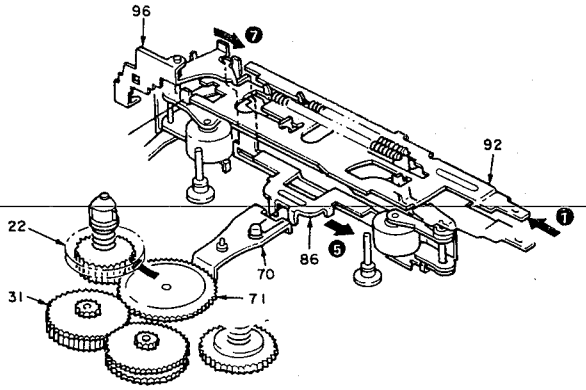


Fig. 14

8. If the REW lever (93) is pressed, the lock plate (96) rotates, the FF lever (92) lock is released and the deck enters play mode (❽).

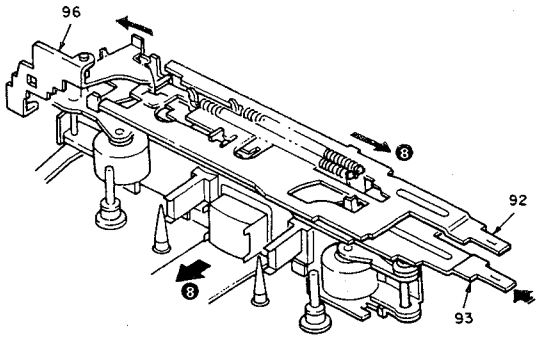


Fig. 15

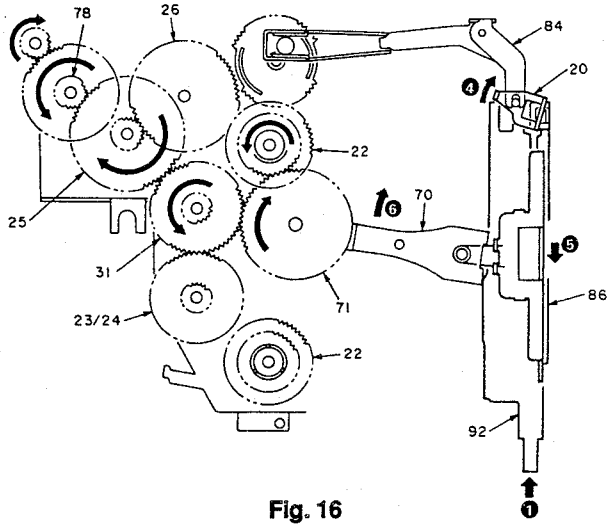


Fig. 16

MECHANISM OPERATION DESCRIPTION

REW

1. Press the REW lever (93) (❶).
2. The return arm (88) is pushed by the REW lever (93) and rotates (❷).
3. The head plate (2) is pulled back by the return arm (88) and moves back (❸).
4. The seesaw plate (20) is pushed by the REW lever (93) and rotates (❹).

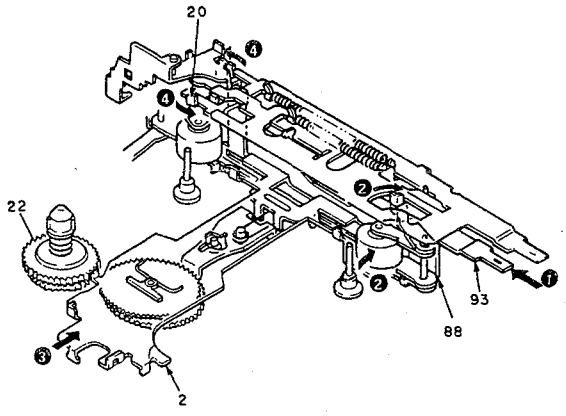


Fig. 17

5. The RF slide plate (86) is pushed by the seesaw plate (20) and moves backward (❺).
6. The working plate (70) is pulled by the RF side plate (86), and the FR gear (71) engages with the sending side reel disk assembly (22) and F gear (24) (❻).
7. The REW lever (93) is locked by the lock plate (96) (❼).

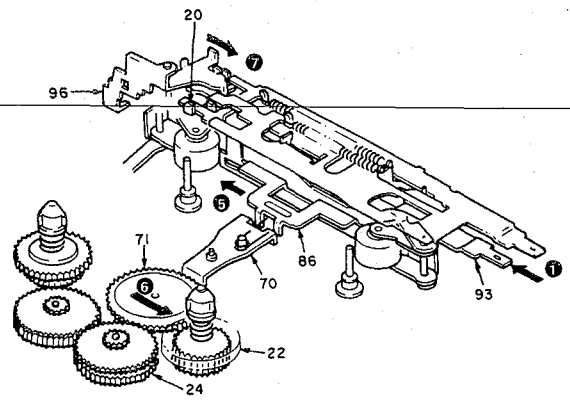


Fig. 18

8. If the FF lever (92) is pressed, the lock plate (96) rotates, the REW lever (93) lock is released and the deck enters play mode (❽).

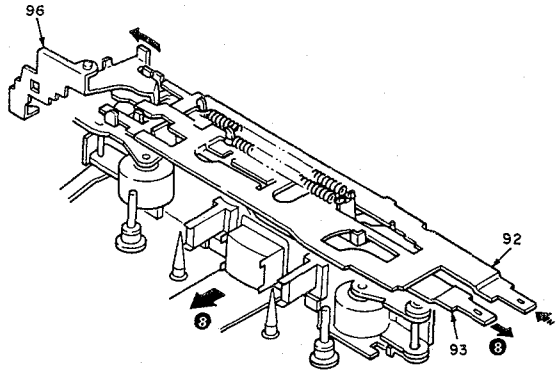


Fig. 19

MECHANISM OPERATION DESCRIPTION

Note : During reverse play, since the seesaw working plate (84) moves the center of the seesaw plate (20) to the right, pressing the FF lever activates the rewind operation and pressing the REW lever activates the fast-forward operation.

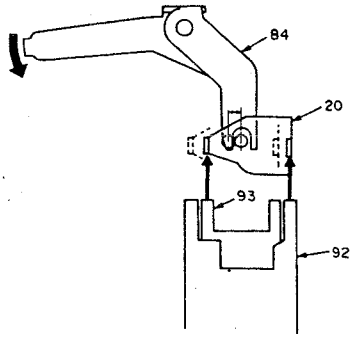


Fig. 20

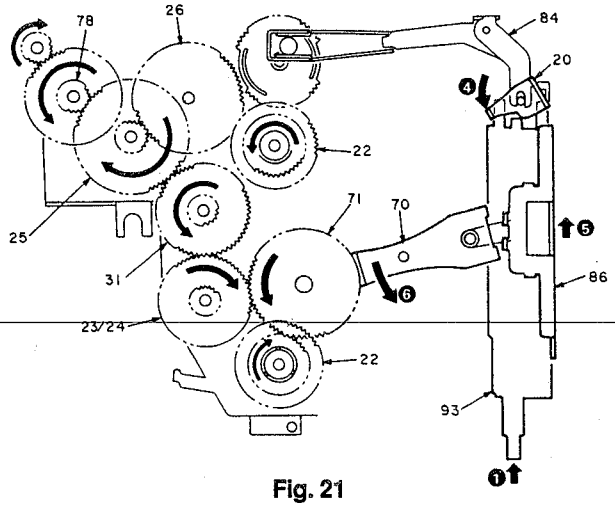


Fig. 21

MECHANISM OPERATION DESCRIPTION

AUTO REVERSE

1. When the end of the taps is reached during playback and the reel disk assembly (22) stops rotating, the ED plate (28) is pushed by the ED gear (26) (❶).
2. The ED gear (26) rotates and the boss pushes the ED plate (28) further (❷).
3. The ED plate (28) pushes the trigger arm (81) (❸).
4. The trigger arm (81) releases the reverse gear (27) lock (❹). (The "program" operation starts.)

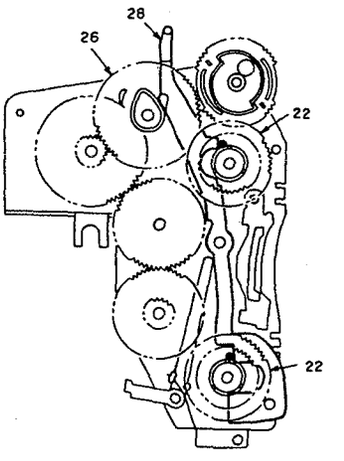


Fig. 22

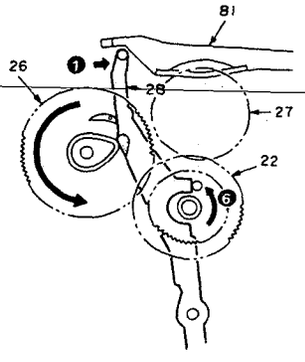


Fig. 23

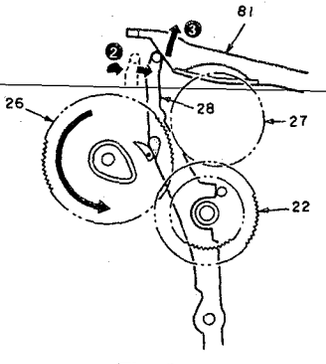


Fig. 24

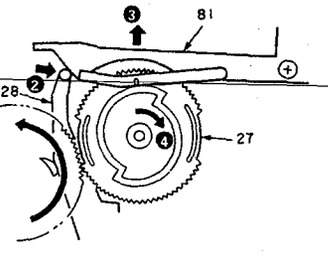


Fig. 25

5. In the same way, during FF and REW, the ED plate operates when the tape end is reached, When the plate (64) moves (❼), the lock plate (96) rotates (❽) and the FF/REW lever is released, causing the deck to enter play mode (❾).

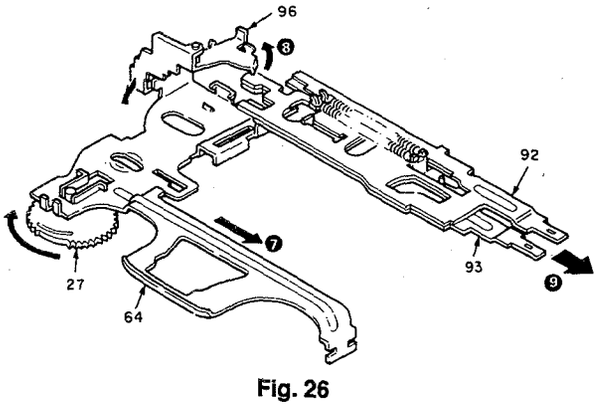


Fig. 26

6. The pin at the lower side of the reel disk assembly (22) resets the ED plate (28) (❻).

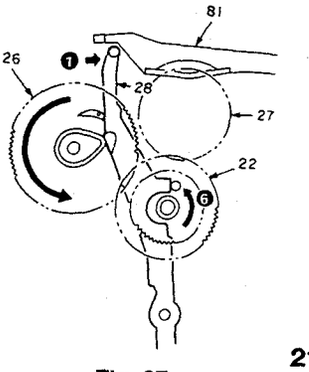


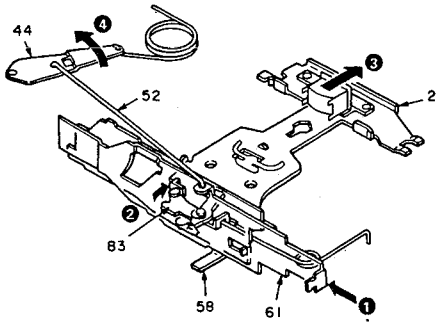
Fig. 27

KRC-580/590

MECHANISM OPERATION DESCRIPTION

EJECT

1. Press the EJ lever (61) (❶).
2. The push plate (58) is pushed by the EJ lever (61) and rotates the push arm (83) (❷).
3. The push arm (83) moves the head plate (2) back (❸).
4. The EJ lever (61) moves the rod (52) and rotates the PE plate (44) (❹).



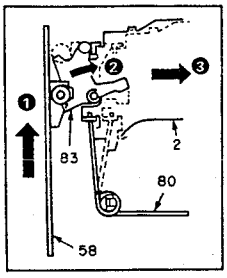


Fig. 28

5. The holder (48) moves up following the push plate (58) groove (❺).
6. The PE plate (44) turns the reverse spring (47) over and pushes out the pack slider (50) (❻).

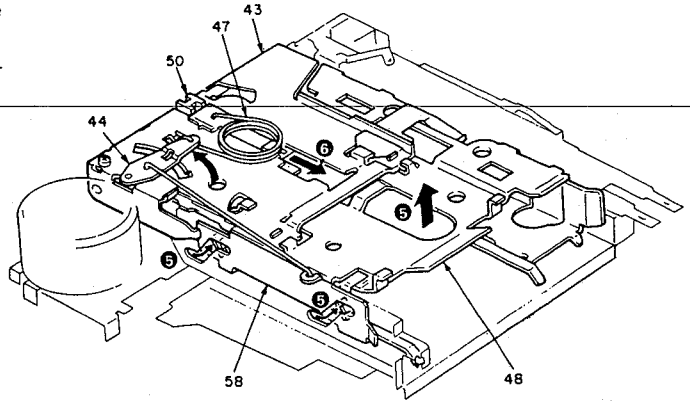


Fig. 29

ADJUSTMENT

Set the controls and switches as follows.

BALANCE	:center position	LOUD	:OFF	LOCAL	:OFF
FADER	:center position	T.ADV	:OFF	AUTO	:OFF
BASS	:center positon	METAL	:OFF		
TREBLE	:center position	DOLBY NR	:OFF		

No	ITEM	INPUT SETTTING	OUTPUT SETTING	TUNER (RECEIVER)	ALIGNMENT POINT	ALIGN FOR	FIG.
FM SECTION							
1	DISCRI-MINATOR	(A) 98.1MHz 0dev 60dBμ(ANT inout)	Connect a DC Voltmeter to TP2	FM 98.1MHZ	T1	0V	(a)
2	SOFT MUTE LEVEL	(A) 98.1kHz 1kHz, ±75kHz dev 60dBμ →No input	(B)	FM 98.1MHZ	VR6	Assuming that the output is 0dB with an input of 60dBμ adjust so that the output level is -25dB.	
3	SEPARATION	(C) 98.1MHz 1kHz, ±67kHz dev Pilot :±7.5kHz dev Selector:L or R 60dBμ(ANT input)	(B)	FM 98.1MHZ	VR5	Adjust it so that the crosstalk from L to R and R to L become minimum.	
4	ANRC	(C) 98.1MHz 1kHz, ±67kHz dev Pilot :±7.5kHz dev Selector:L or R 35dBμ(ANT input)	(B)	FM 98.1MHZ	VR4	Separation 10dB	
5	SIGNAL METER (STOP LEVEL)	(A) 98.1MHz 0dev 20dBμ(ANT input)	TEST MODE : ON	FM 98.1MHZ	VR3	Adjust so that the "◄►" indicator in the front panel are lit. Only "◄" is lit : Too low Only "►" is lit : Too high	
AM SECTION							
(1)	SIGNAL METER (STOP LEVEL)	(D) 1000kHz 0% mod 35dBμ(ANT input)	TEST MODE : ON	AM 1000kHZ	VR1 (Inside of FRONT-END)	Adjust so that the "◄►" indicator in the front panel are lit. Only "◄" is lit : Too low Only "►" is lit : Too high	(c)
CASSETTE DECK SECTION							
[1]	PLAY BACK LEVEL	MTT-150	Connect a AC voltmeter to TP1	TAPE PLAY	VR1 : (L) VR2 : (R)	300mV	(b)

•Test mode :Turn power ON while holding the [FM+] and [|◄◄] keys depressed. (All of the LCD elements light.)
Then, press the [SOURCE] key.

To quit :Power OFF.

ADJUSTMENT

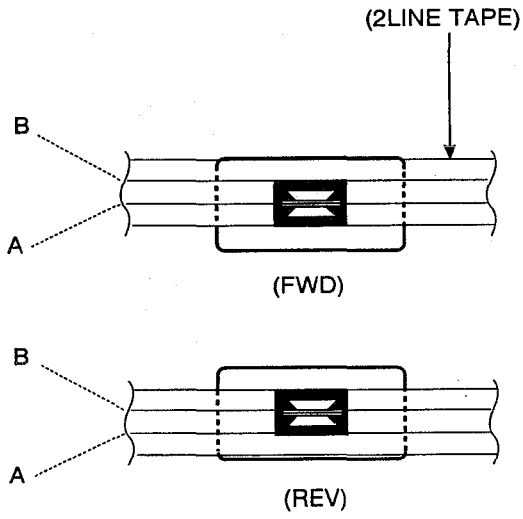
Head Angle Adjustment

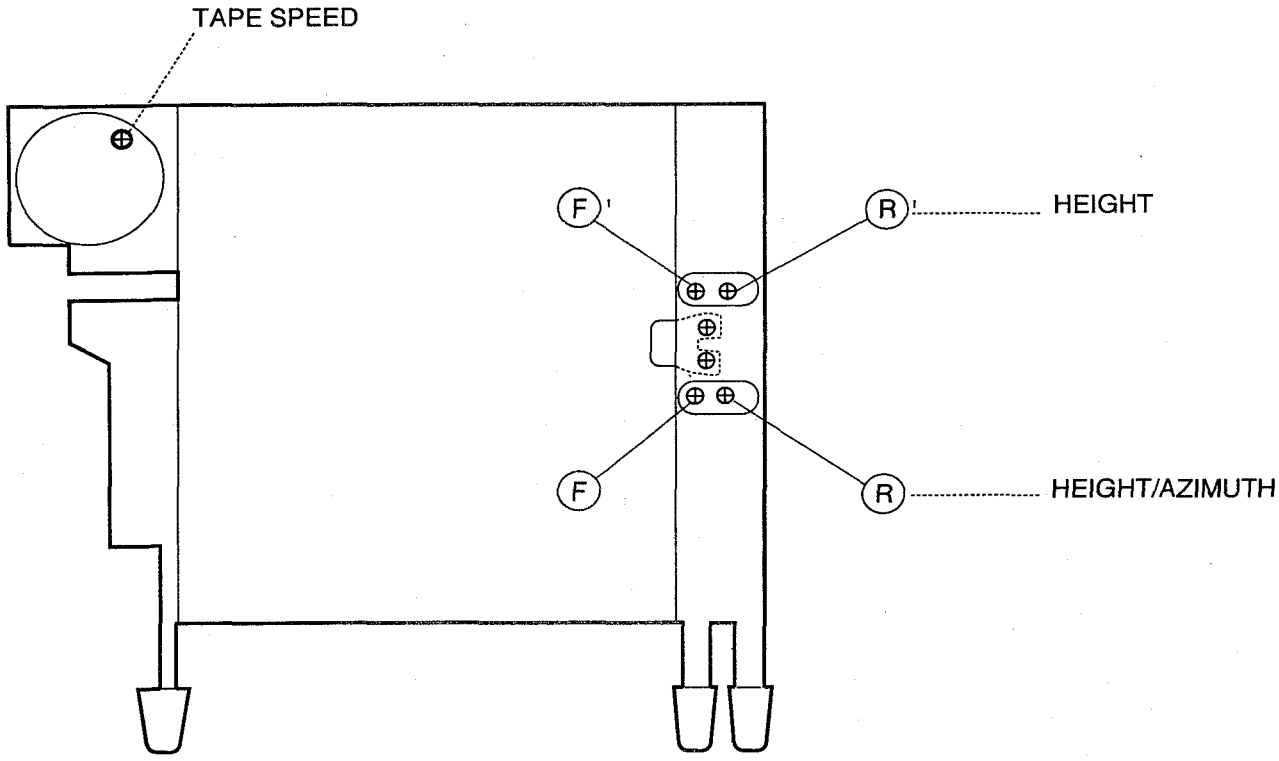
Head height alignment procedure (type D)

- During FWD transport, adjust screws Ⓕ and Ⓕ' so that line A of 2-line tape pases through the center of the head shield plate (while section).

- During REV transport, adjust screws Ⓡ and Ⓡ' so that line B of 2-line tape passes through the center of the head sheild plate(while section).

- After the alighment above, reverse the transport direction and check the FWD alignment again. If it is deviated, perform alignment again. (Tape used : SCC-1859, manufacured by A-BEX)

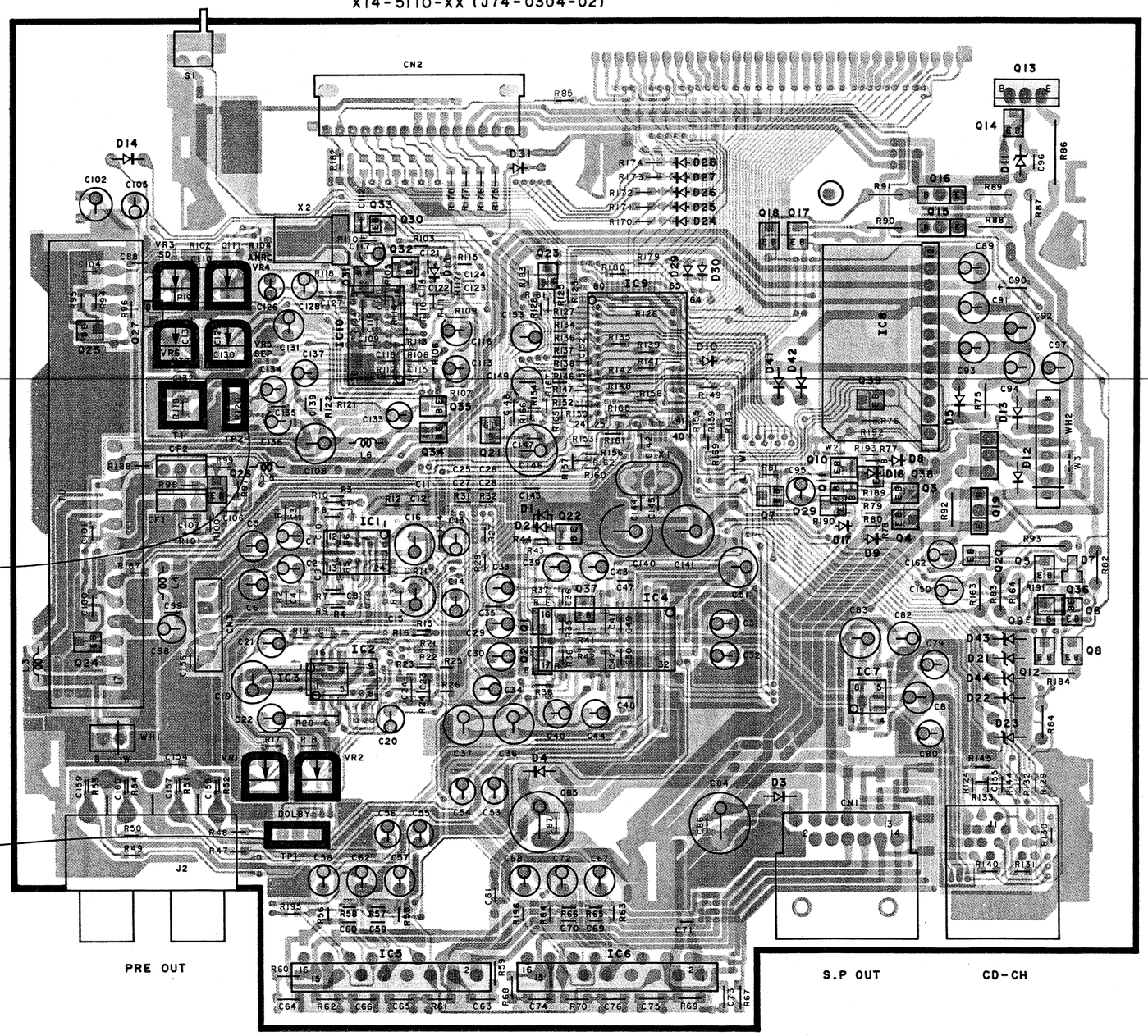




PC BOARD (Component side view)

SYNTHESIZER UNIT (X14-5110-XX)

X14-5110-XX (J74-0304-02)


PANEL SW
S1
CN2
R85
D14
C102
C105
X2
VR3 SD
VR4 ANRC
VR5 SEP
Q25
Q27
Q33
Q30
Q32
Q31
IC10
IC9
D31
R174
R173
R172
R171
R170
D28
D27
D26
D25
D24
D29
D30
Q23
R180
R179
Q18 Q17
R91
R90
Q16
R89
D15
R88
Q13
Q14
C96
R86
C89
C90
C91
C92
C97
C93
C94
IC8
D41
D42
Q39
R75
R76
R192
D5
D13
D12
WH2
W3
W2
R193 R77
D8
D16 D38
Q10
Q3
R189
R79
R80
D17
D9
Q29
Q19
R92
Q4
R93
Q5
Q20
D7
R82
C162
C160
R163
R83
R64
R191
Q36
Q6
Q9
Q8
C83
C82
C79
D43
D21
D44
D22
D23
R184
R84
IC7
C81
C80
R145
R124
C155
R144
R132
R139
R140
R131
R130
C84
D3
CN1
J3
J4
J2
C85
D4
C36
C37
C54
C53
C68
C72
C67
C61
R193
R58
R57
R56
C60
C59
C70
R66
R65
R63
C71
R195
R194
IC5
IC6
R60
R59
R68
R67
C64
R62
C66
C65
R61
C63
C74
R70
C76
C75
R69
C73
IC1
IC2
IC3
IC4
Q22
D1
D24
R44
R43
C39
C43
C140
C141
Q37
R37
R36
R41
R42
C42
C40
C38
C34
C29
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C33
C35
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C49
C44
C20
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VR1
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R17
C154
C19
R33
C16
R51
C17
C157
R52
C15
R53
R50
R48
R49
R47
DOLBY
TP1
C58
C62
C57
R54
C55
C56
C52
C51
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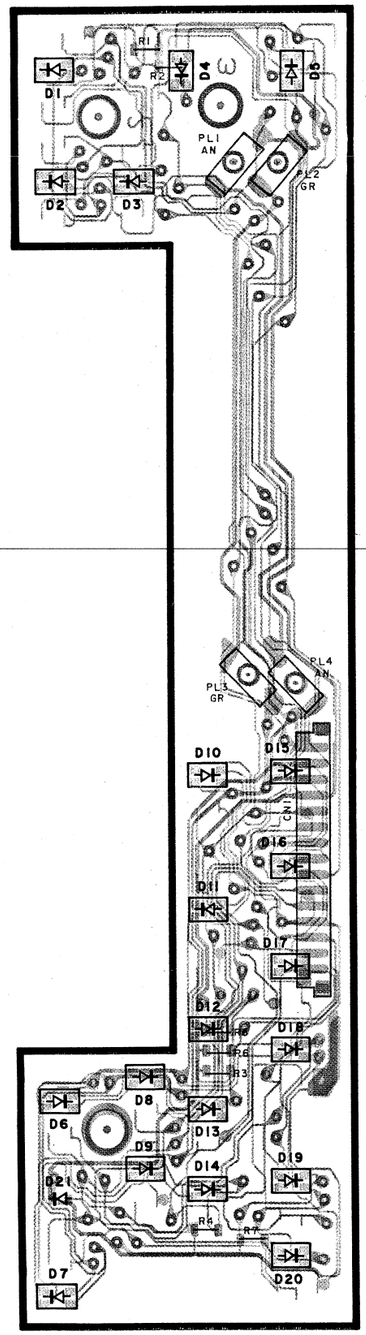
C117
C118

PC BOARD (Foil side view)

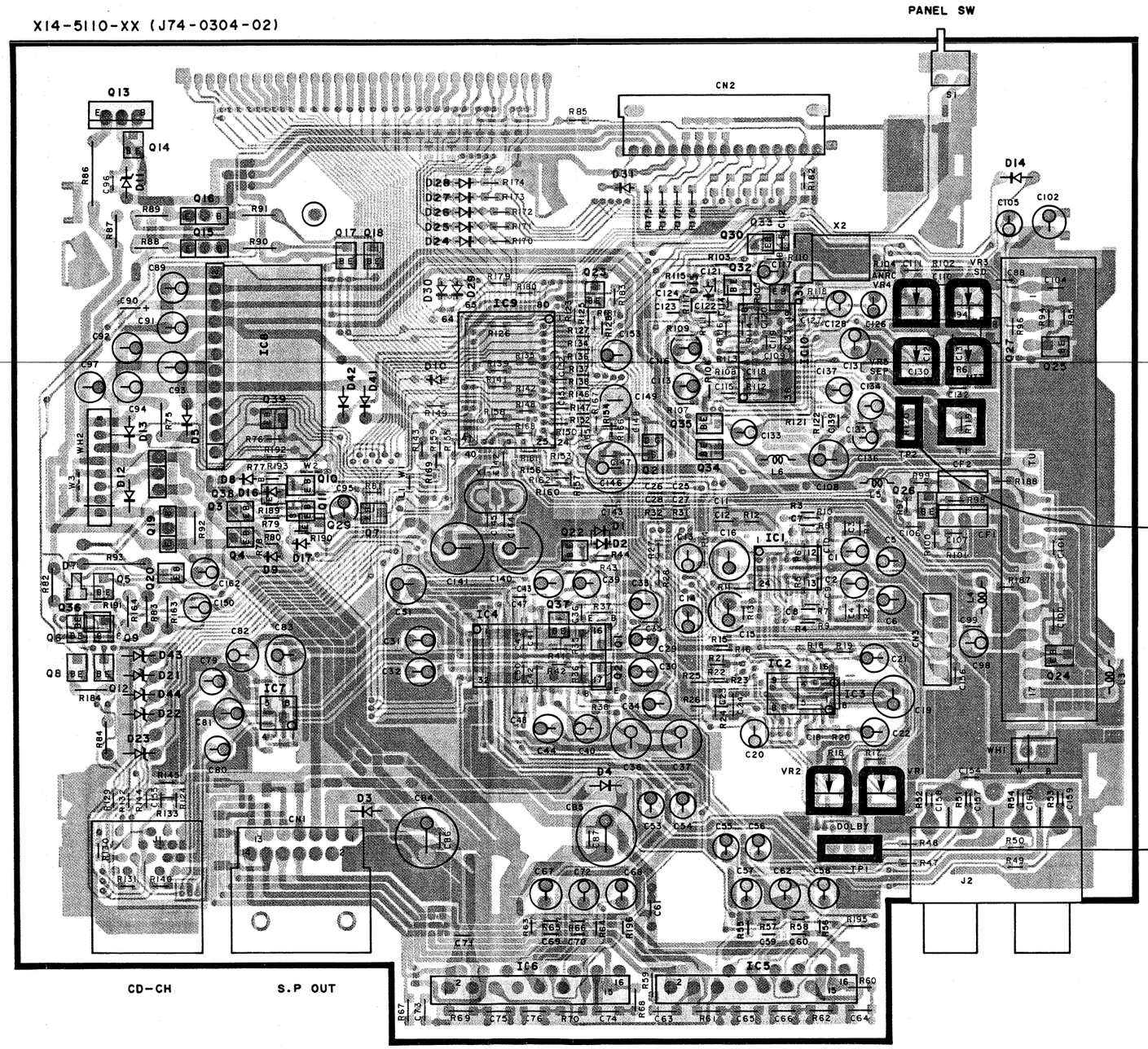
SWITCH UNIT
(X25-7120-10)

X25-7120-10
(J74-0305-02)



SYNTHESIZER UNIT (X14-5110-XX)

X14-5110-XX (J74-0304-02)



(a) DISCTRIMINATOR: 0V

DC Voltmeter

(b) PLAYBACK LEVEL:300mV

AC Voltmeter

SYNTHESIZER UNIT (X14-5110-XX)

Ref. No.		Adress
IC	Q	
1		5Q
2		5Q
3		5Q
4		5P
5		7Q
6		7P
7		6O
8		4O
9		4P
10		4Q
	1	5P
	2	5P
	3	4N
	4	5N
	5	5N
	6	5M
	7	4O
	8	5N
	9	5N
	10	4O
	11	4O
	12	5N
	13	2N
	14	3N
	15	3N
	16	3N
	17	3O
	18	3O
	19	5N
	20	5N
	21	4Q
	22	5P
	23	3P
	24	5S
	25	4S
	26	4R
	27	4R
	29	5O
	30	3Q
	31	3Q
	32	3Q
	33	3Q
	34	4Q
	35	4Q
	36	5N
	37	5P
	38	4O
	39	4O

Refer to the schematic diagram for the values of resistors and capacitors.

DC1 (E30-4130-05)

GND
B.U — F2 5A — B.U
ACC — F1 5A — ACC
P.CON — P.C OUT — P.CON
FRONT R — FRONT R — FRONT R+ / REAR R+
REAR R — REAR R — FRONT R− / REAR R−
FRONT L — FRONT L — FRONT L− / REAR L−
REAR L — REAR L — FRONT L+ / REAR L+

(X14-5110-XX)

CN1: FRONT L+, REAR L+, FRONT L−, REAR L−, FRONT R−, REAR R−, FRONT R+, REAR R+, P.CON, NC, NC, ACC, B.U, GND

J1 PIN NAME

CD-CH PIN NO	PIN NAME	CD-CH PIN NO	PIN NAME
1	REQ H	8	R ch
2	GND	9	REQ C
3	B.U	10	DATA C
4	CH ON	11	DATA H
5	MUTE	12	L ch
6	S-GND	13	CH CLK
7	RST	-	-

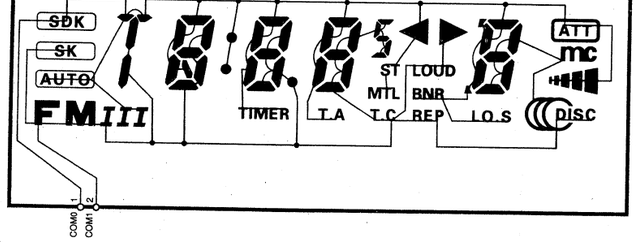
IC1 : BA3430FS
IC2 : HA12134AF
IC4 : TEA6320T
IC5,6 : AN7190K
IC7 : BA3121F
IC8 : BA3913-V4
IC9 : 17005GF-694-3B9
IC10 : LA1862M

Q1,2 : 2SD2114K
Q3,4,14,27,31,32,38~41 : 2SC2412K
Q5,10,29,34,36 : DTA144EK
Q6,7,9,11,24,25,30,33,37 : DTC144EK
Q8 : DTC124EK
Q12 : DTA124EK
Q13 : 2SB1565
Q15,16 : 2SB1326
Q17,18,20 : DTC114EK
Q19 : 2SA1428
Q21 : 2SK536
Q22 : 2SA1037K
Q23 : DTA114TK
Q26 : 2SC2413K
Q35 : DTC114TK

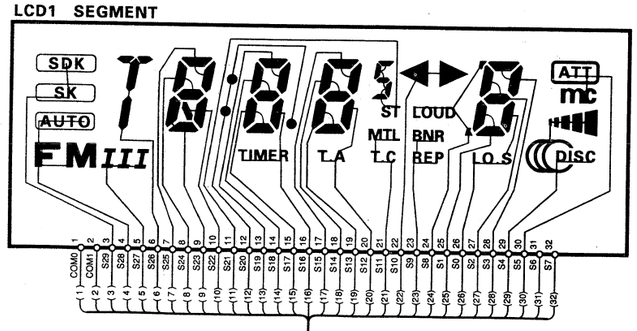
D1,2,10,15,16,17,24~30 : MA110
D3~5,12,13 : AM01Z
D7 : DAN202K
D8,9 : MA8068-M
D11 : HZS11B2L
D14,41,42 : ISS133
D21~23,43,44 : RD5.6JS(B2)
D31 : MA8056
D45 : MA8062-M

+B LINE
SIGNAL LINE
GND LINE

LCD1 COMMON



LCD1 SEGMENT



IC6 FRONT POWER — IC5 REAR POWER

ISO. AMP IC7

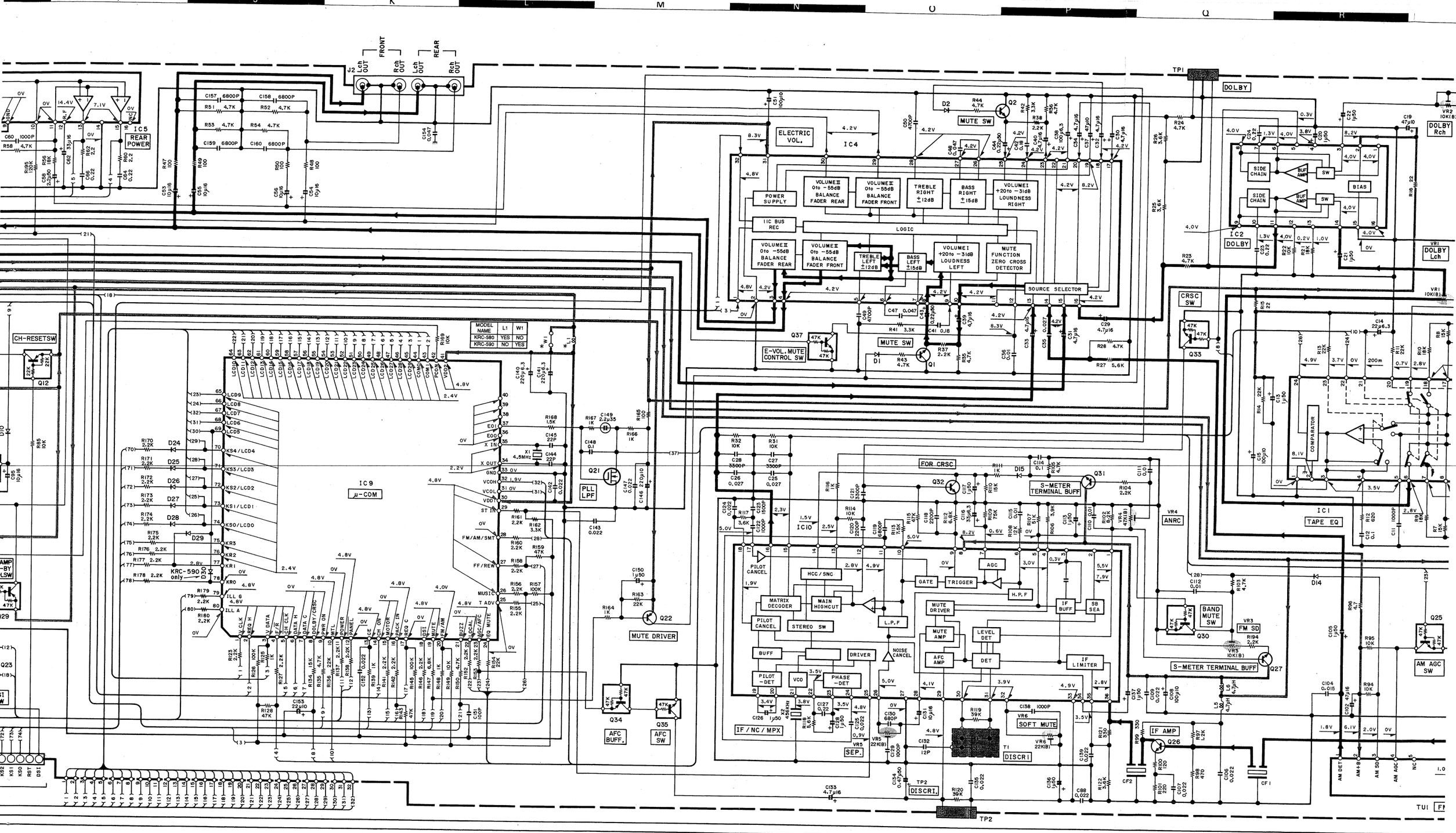
IC8 AVR

WH2: TPS, GND, MUTE, GND, GND, MOT+B, TA IN, GND

CN2: PWR, ILL A, ILL G, ILL GND, KR3, KR2, KR1, KR0, KS4, KS3, KS2, KS1, KS0, RST, DSI

CE +5V SW — MUTE SW — E-VOL. MUTE CONTROL SW — E-VOL MUTE SW — CH-RESETSW — CE SW — ACC DET. — B.U. DET. — P-CON DRIVER SW — P-ON +5V SW — P-ON SW BUFF — P-CON/ POWER IC STAND BY CONTROL — POWER AMP STAND-BY CONTROLSW — POWER AMP STAND BY CONTROL AMP — ILLUMI. AVR — TAPE ADV. SW — TAPE ADV. DRIVER — AMBER DRIVER — AMBER SW — GREEN DRIVER — GREEN SW — POWER for PANEL — DSI SW

KRC-590 only

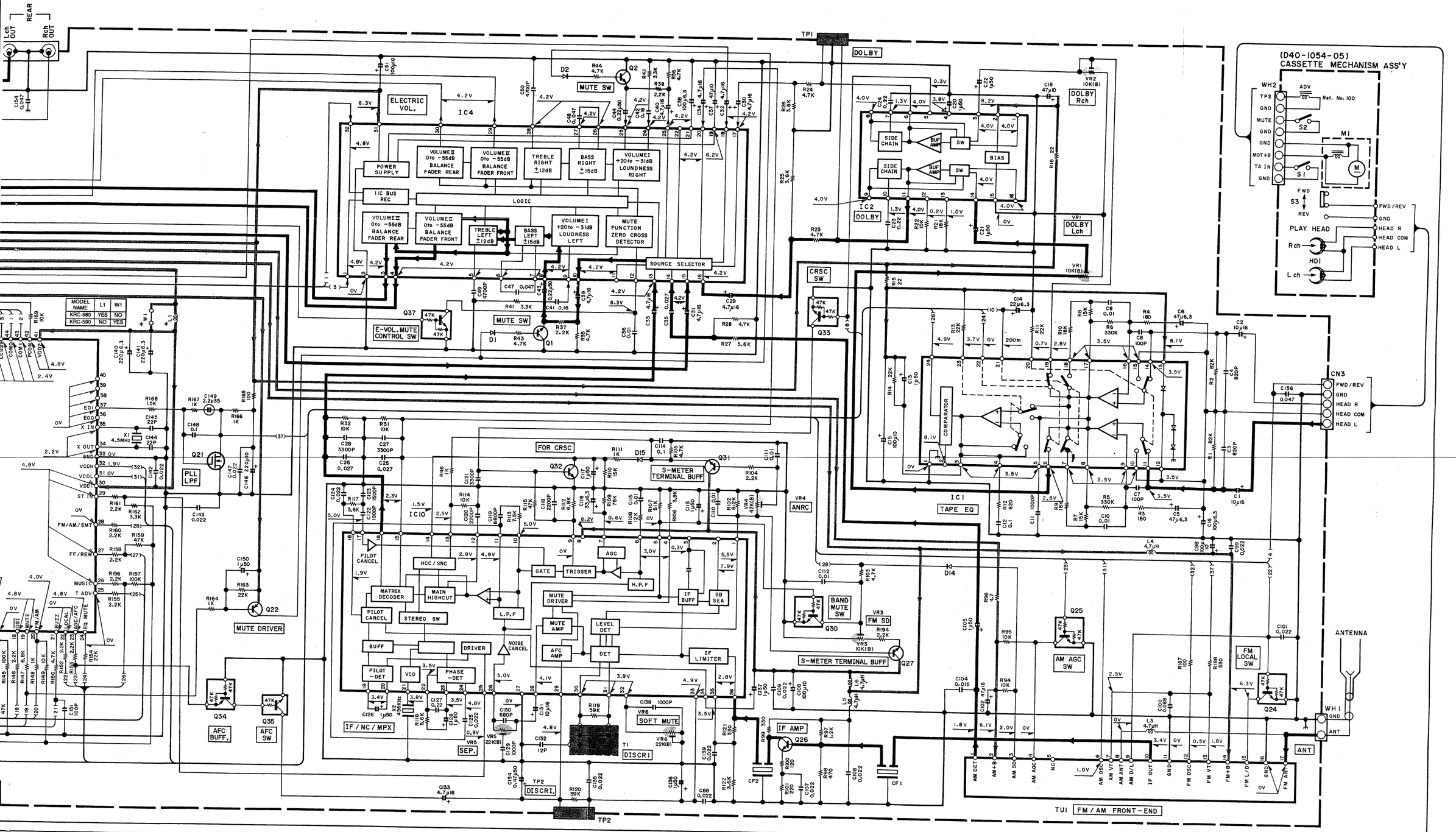


DC voltages are as measured with a high impedance voltmeter. Values may vary slightly due to variations between individual instruments or/and units.

Les tensions c.c. doivent être mesurées avec un voltmètre à haute impédance. Les valeurs peuvent différer légèrement du fait des variations inhérentes aux appareils et aux instruments de mesure individuels.

Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U.geringfügig.

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list) ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is retumed to the customer.



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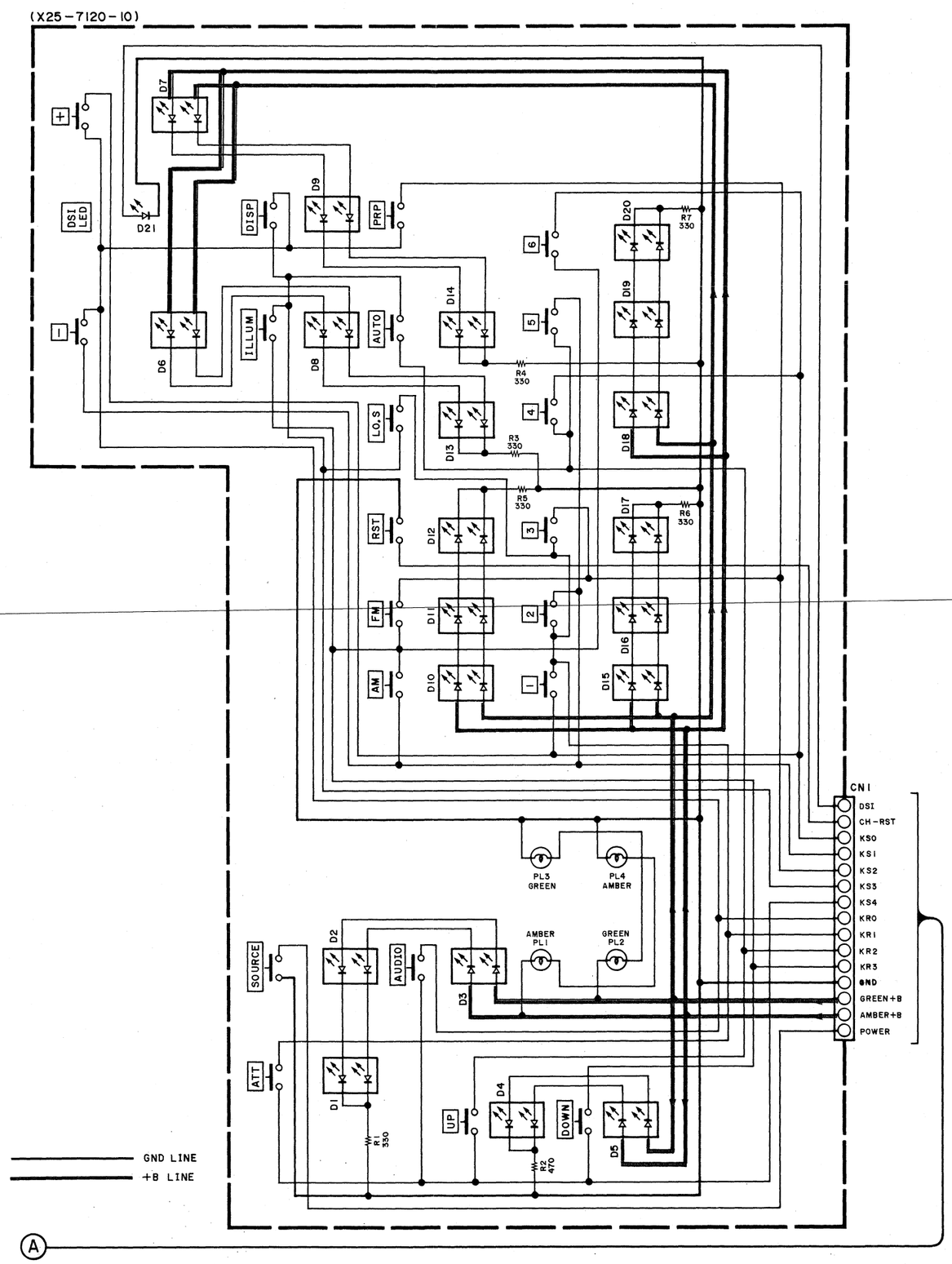
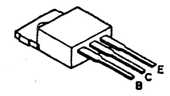
1/2

KRC-580/590

Y36-1780-10

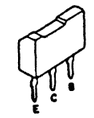
KENWOOD





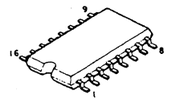
2SB1565

DTA114EK DTC124EK
DTA124EK DTC144EK
DTA144EK 2SA1037K
DTC114EK 2SC2412K
DTC114TK 2SC2413K
2SD2114K

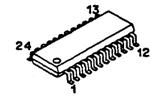


2SA1428

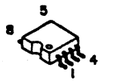
2SK536



HA12134AF



BA3430FS



BA3121F

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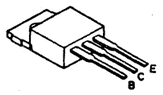
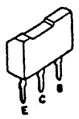
Die angegebenen Gleichspannungswerte wurden mit einem hochohmigen Spannungsmesser gemessen. Dabei schwanken die Meßwerte aufgrund von Unterschieden zwischen einzelnen Instrumenten oder Geräten u. U.geringfügig.

CAUTION : For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list) ⚠ Indicates safety critical components. To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.



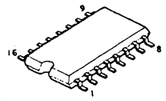
2SB1565

DTA114EK DTC124EK
DTA124EK DTC144EK
DTA144EK 2SA1037K
DTC114EK 2SC2412K
DTC114TK 2SC2413K
2SD2114K

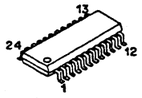


2SA1428

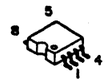
2SK536



HA12134AF



BA3430FS



BA3121F

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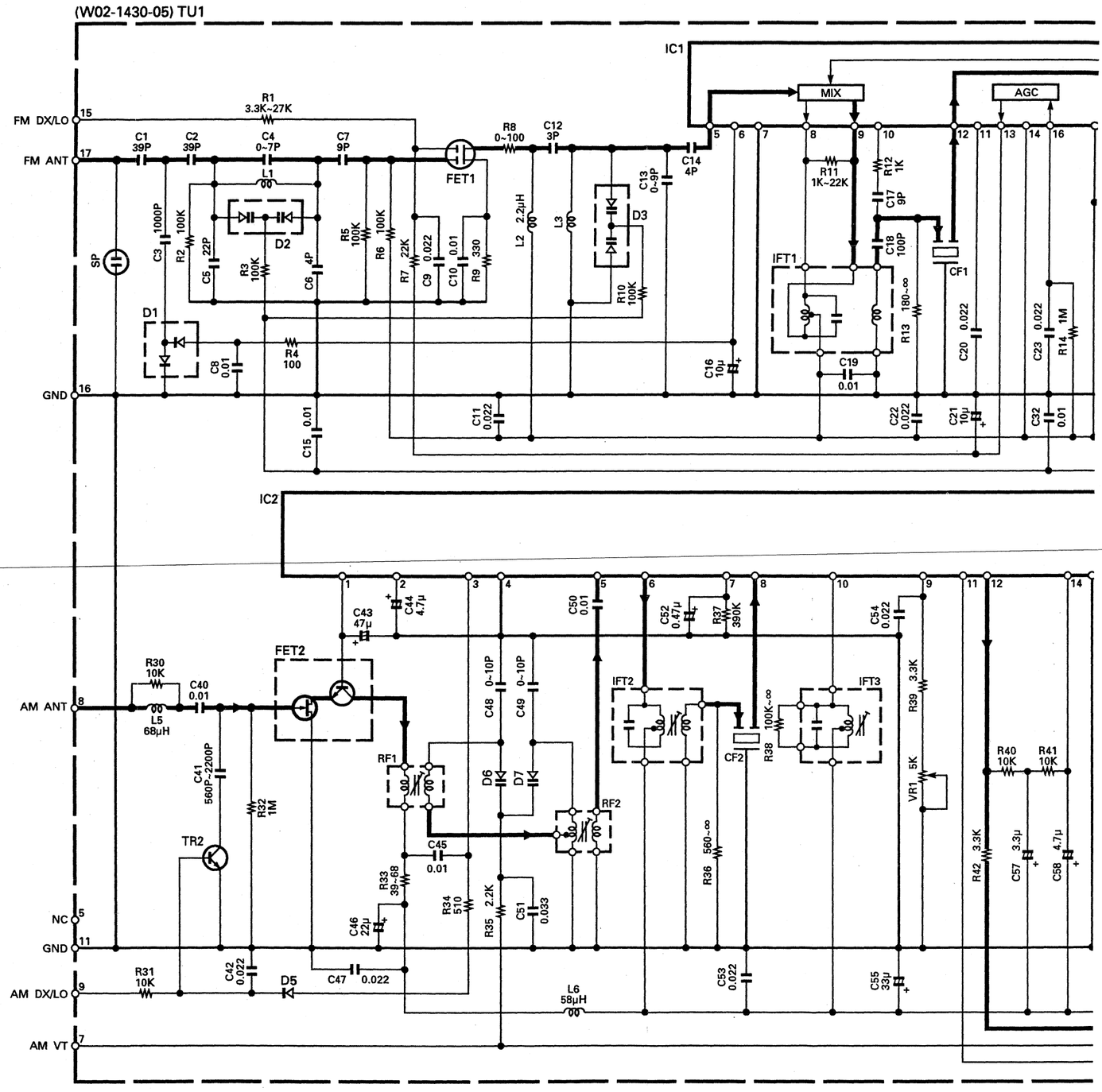
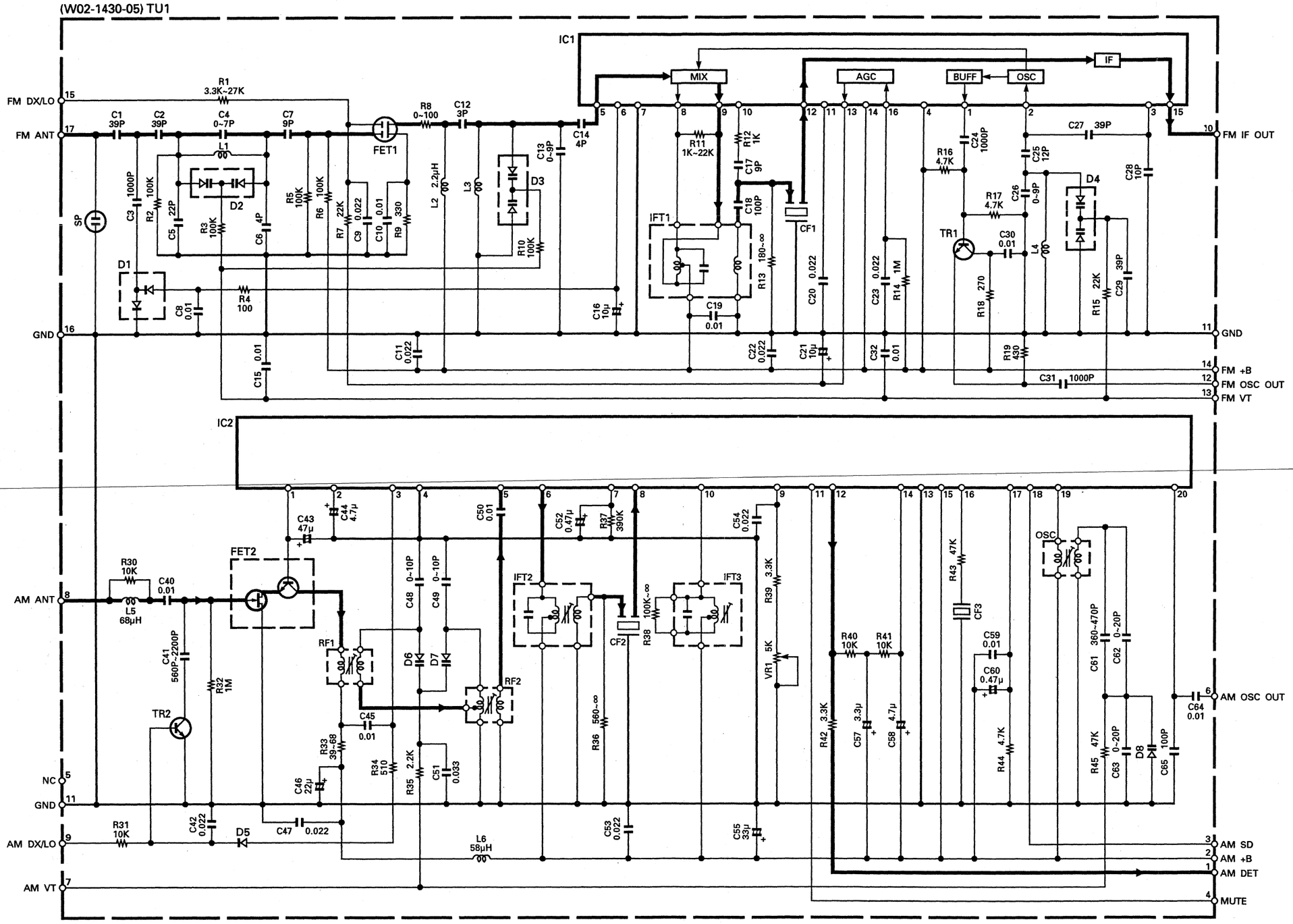


(W02-1430-05) TU1



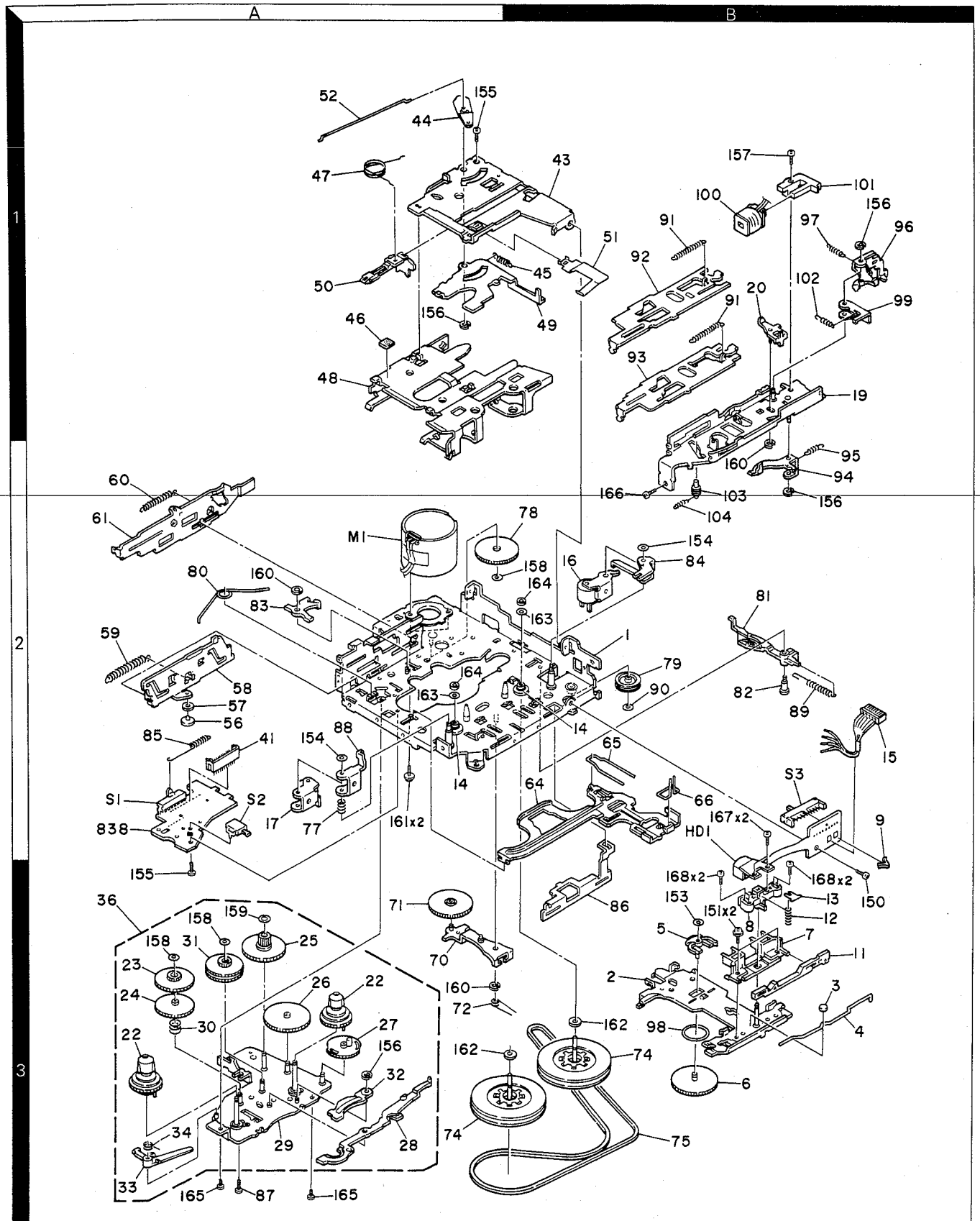
2/2

KRC-580/590

Y36-1780-10

KENWOOD

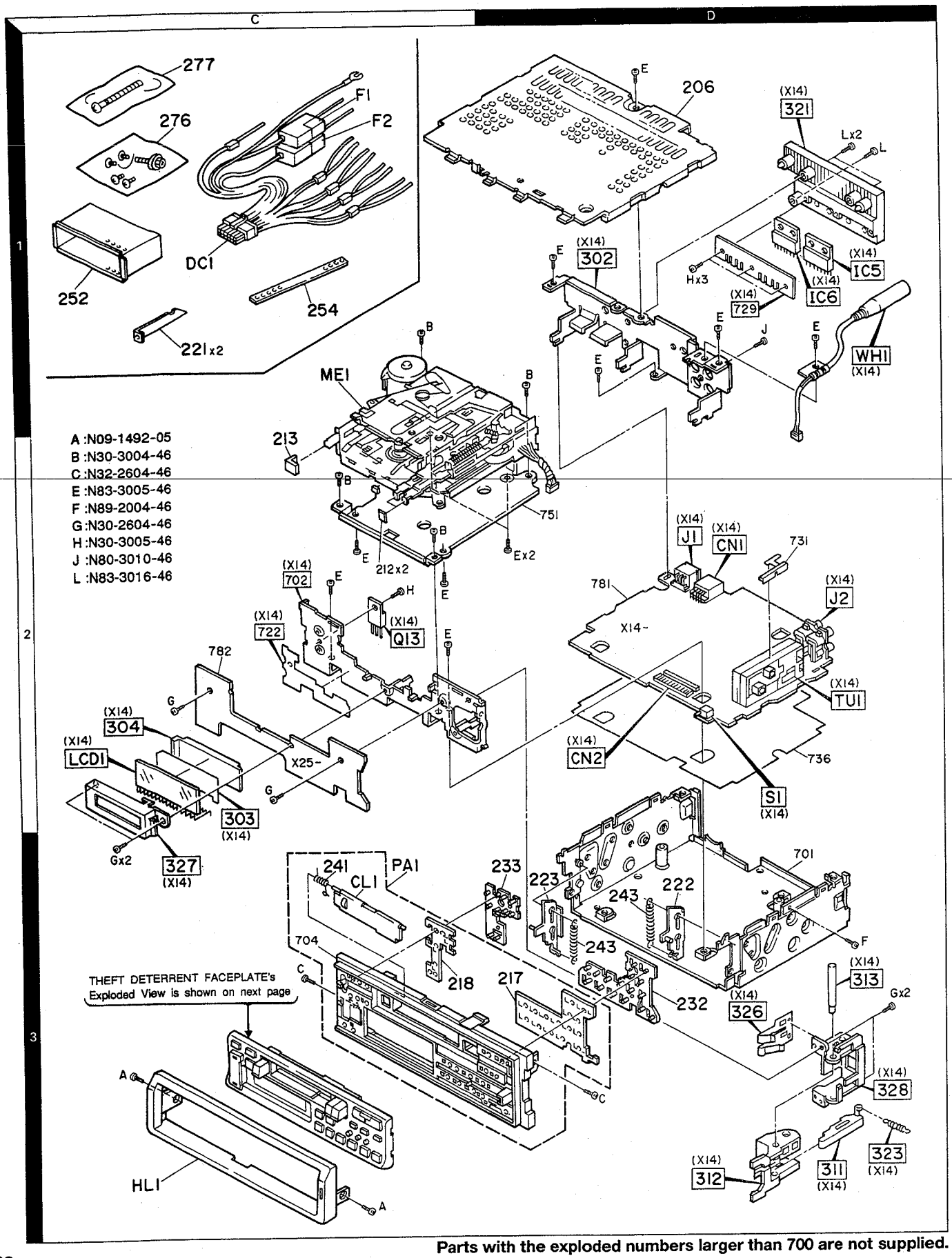
EXPLODED VIEW(MECHANISM UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

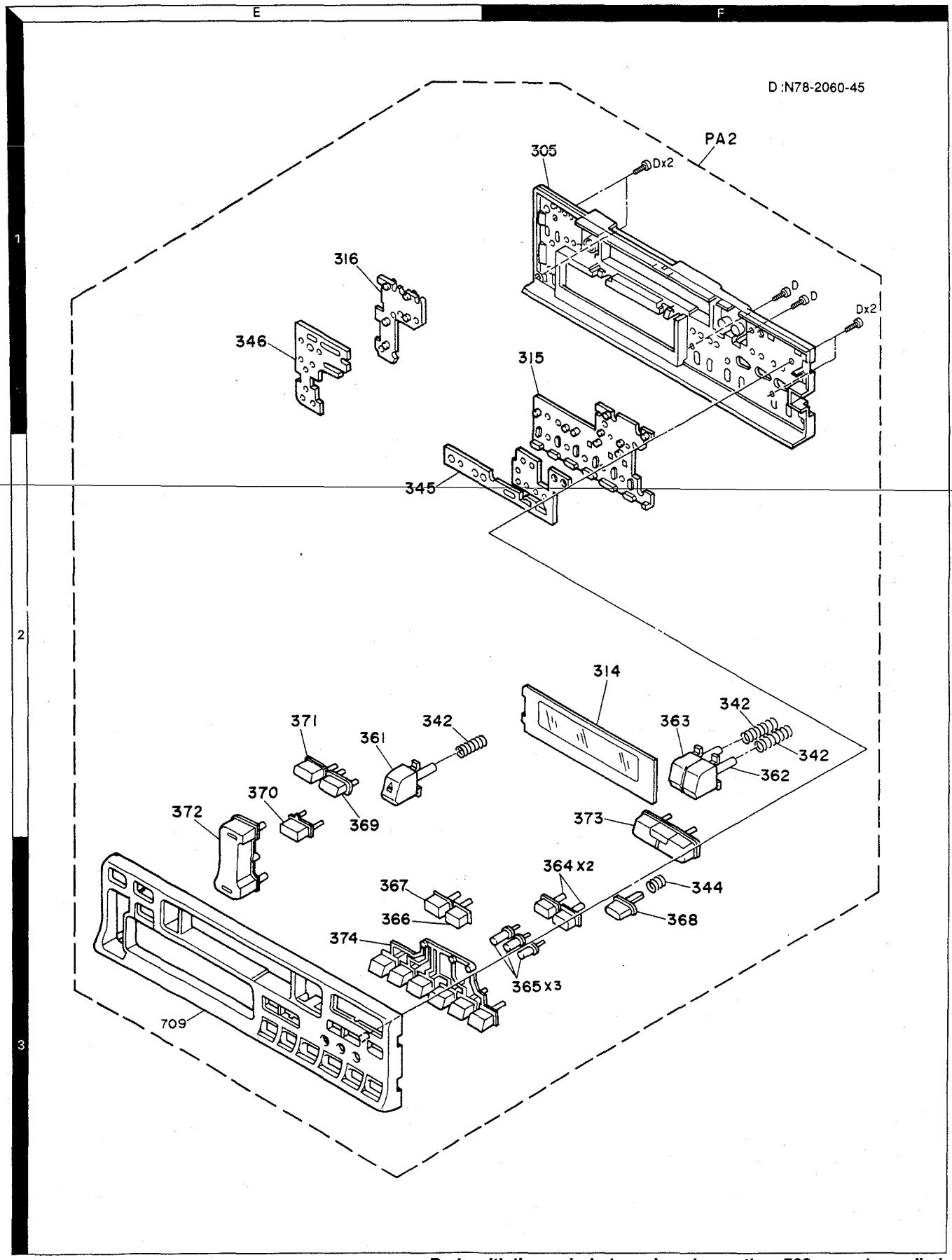
KRC-580/590

EXPLODED VIEW(UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

EXPLODED VIEW(UNIT)



Parts with the exploded numbers larger than 700 are not supplied.

KRC-580/590

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht gellefert.

KRC-580/590
X14-5110-XX

Ref. No. 参照番号	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向
KRC-580/590				
206 1D	*	A52-0668-12	TOP PLATE	
CL1 3C	*	A53-1583-03	CASSETTE LID	
PA1 3C	*	A22-1225-13	SUB PANEL ASSY	
212 2C		B09-0513-04	CAP (FF,REW)	
213 2C	*	B09-0519-04	CAP (EJECT)	
217 3D	*	B19-0973-03	LIGHTING BOARD	
218 3C	*	B19-0974-03	LIGHTING BOARD	
-		B46-0100-30	WARRANTY CARD	
-		B46-0172-03	QUESTIONAIRE CARD (KRC-580)	K
-		B46-0606-04	ID CARD	
-		B58-1213-04	CAUTION CARD (EIA) (KRC-580)	K
-	*	B58-1223-04	CAUTION CARD (CHｺﾞｻｼ,4ｶｺｸｺﾞ)	
-	*	B64-0364-00	INSTRUCTION MANUAL (KRC-580)	K
-	*	B64-0392-00	INSTRUCTION MANUAL (KRC-590)	M
HL1 3C	*	B07-2040-12	ESCUTCHEON	
221 1C		D10-2793-04	LEVER (REMOVAL BRAKET)	
222 3D	*	D10-2835-04	LEVER (R)	
223 3D	*	D10-2836-04	LEVER (L)	
ME1 1C	*	D40-1054-05	CASSETTE MECHANISM ASSY	
232 3D	*	E29-1427-03	CONDUCTIVE RUBBER	
233 3D	*	E29-1428-03	CONDUCTIVE RUBBER	
DC1 1C	*	E30-4130-05	DC CORD	
F1 ,2 1C		F06-5024-05	FUSE (5A)	
241 3C		G01-2525-04	TORSION COIL SPRING	
243 3D	*	G01-2654-04	EXTENSION SPRING	
-	*	H10-4456-02	POLYSTYRENE FOAMED FIXTURE	
-		H25-0329-04	PROTECTION BAG (280X450X0.03)	
-		H25-0337-04	PROTECTION BAG (180X300X0.03)	
-	*	H54-0144-04	ITEM CARTON CASE (KRC-580)	K
-	*	H54-0150-04	ITEM CARTON CASE (KRC-590)	M
-	*	H64-0158-04	OUTER CARTON CASE (KRC-580)	K
-	*	H64-0164-04	OUTER CARTON CASE (KRC-590)	M
252 1C	*	J21-7478-01	MOUNTING HARDWARE	
254 1C		J54-0071-04	STAY	
276 1C		N99-1571-05	SCREW SET	
277 1C	*	N99-1610-15	SCREW SET (KRC-580)	K
A 3C		N09-1492-05	MACHINE SCREW (2.6X3.5,ﾅﾍﾞ)	
B 1C,2C		N30-3004-46	PAN HEAD MACHINE SCREW	
C 3C,3D		N32-2604-46	FLAT HEAD MACHIN SCREW	
E 1D,2C		N83-3005-46	PAN HEAD TAPTITE SCREW	
F 3D		N89-2004-46	BINDING HEAD TAPTITE SCREW	
G 2C,3C		N30-2604-46	PAN HEAD MACHINE SCREW	
H 1D,2C		N30-3005-46	PAN HEAD MACHINE SCREW	
J 1D		N80-3010-46	PAN HEAD TAPTITE SCREW	
L 1D	*	N83-3016-46	PAN HEAD TAPTITE SCREW	
THEFT DETERRENT FACEPLATE				
305 1F	*	A46-1221-01	REAR COVER	
PA2 1F	*	A64-0256-02	PANEL ASSY (KRC-580)	K
PA2 1F	*	A64-0258-02	PANEL ASSY (KRC-590)	M

Ref. No. 参照番号	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向
314 2F	*	B10-1574-03	FRONT GLASS	
315 1F	*	B19-0968-03	LIGHTING BOARD	
316 1E	*	B19-0972-03	LIGHTING BOARD	
342 2E,2F		G01-2636-04	COMPRESSION SPRING	
344 3F	*	G01-2667-04	COMPRESSION SPRING	
345 2E	*	G11-1631-04	CUSHION	
346 1E	*	G11-1633-04	CUSHION	
361 2E	*	K24-1435-04	KNOB (EJECT)	
362 2F	*	K24-1436-04	KNOB (FF)	
363 2F	*	K24-1437-04	KNOB (REW)	
364 3F	*	K24-1438-04	KNOB (ILLUM, DISP)	
365 3F	*	K24-1441-04	KNOB (LO.S#AME,AUTO#TIMER,PRP)	
366 3E	*	K24-1442-04	KNOB (FM)	
367 3E	*	K24-1443-04	KNOB (AM)	
368 3F	*	K24-1444-04	KNOB (RELEASE)	
369 2E	*	K24-1449-04	KNOB (SRC)	
370 2E	*	K24-1450-04	KNOB (AUD)	
371 2E	*	K24-1451-04	KNOB (ATT)	
372 2E	*	K25-0636-03	KNOB (AUDIO CONT)	
373 2F	*	K25-0637-03	KNOB (- TUNE/TRACK +)	
374 3E	*	K29-5573-03	KNOB (PRESET STATIONS)	
D 1F	*	N78-2060-45	PAN HEAD TAPTITE SCREW	
SYNTHESIZER UNIT(X14-5110-XX)				
302 1D	*	A84-0039-03	REAR PANEL	
303 2C	*	B11-0670-04	OPTICAL DIFFUSER	
304 2C	*	B19-0975-03	LIGHTING BOARD	
LCD1 2C	*	B38-0598-15	LIQUID CRYSTAL	
C1 ,2		CE04CW1C100M	ELECTRO 10UF 16WV	
C3 ,4		CK73FB1H821K	CHIP C 820PF K	
C5 ,6		CE04CW0J470M	ELECTRO 47UF 6.3WV	
C7 ,8		CC73FCH1H101J	CHIP C 100PF J	
C9 ,10		CK73FB1H103K	CHIP C 0.010UF K	
C11		CK73FB1H102K	CHIP C 1000PF K	
C12		CK73BB1H104K	CHIP C 0.10UF K	
C13		CE04CW1H010M	ELECTRO 1.0UF 50WV	
C14		CE04CW0J220M	ELECTRO 22UF 6.3WV	
C15		CE04CW1A101M	ELECTRO 100UF 10WV	
C16		CE04CW0J101M	ELECTRO 100UF 6.3WV	
C19		CE04CW1A470M	ELECTRO 47UF 10WV	
C20 -22		CE04CW1H010M	ELECTRO 1.0UF 50WV	
C23 ,24		C93-0025-05	CERAMIC 0.22UF K	
C25 ,26		CK73FB1E273KTA	CHIP C 0.027UF K	
C27 ,28		CK73FB1H332K	CHIP C 3300PF K	
C29 -34		CE04CW1C4R7M	ELECTRO 4.7UF 16WV	
C35		CK73FB1E273KTA	CHIP C 0.027UF K	
C36		CK73FB1H103K	CHIP C 0.010UF K	
C37		CE04CW1A470M	ELECTRO 47UF 10WV	
C38		CE04CW0J101M	ELECTRO 100UF 6.3WV	
C39 ,40		CE04CW1C4R7M	ELECTRO 4.7UF 16WV	
C41 ,42	*	CK73BB1E184K	CHIP C 0.18UF K	
C43 ,44		CE04CW1HR22M	ELECTRO 0.22UF 50WV	
C47 ,48		CK73FB1H473KTA	CHIP C 0.047UF K	

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PARTS LIST

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(X14-5110-XX)

Ref. No. 参照番号	New Parts 新	Parts No. 部品番号	Description 部品名／規格		Destination 仕向
C49 ,50		CK73FB1H472K	CHIP C	4700PF	K
C51		CE04CW1A101M	ELECTRO	100UF	10WV
C53 -56		CE04CW1C100M	ELECTRO	10UF	16WV
C57 ,58		CE04NW1H2R2M	ELECTRO	2.2UF	50WV
C59 ,60		CK73FB1H102K	CHIP C	1000PF	K
C61		CK73FB1H223KTA	CHIP C	0.022UF	K
C62		CE04DW1C330M	ELECTRO	33UF	16WV
C63 -66		C93-0025-05	CERAMIC	0.22UF	K
C67 ,68		CE04DW1H2R2M	ELECTRO	2.2UF	50WV
C69 ,70		CK73FB1H102K	CHIP C	1000PF	K
C71		CK73FB1H223KTA	CHIP C	0.022UF	K
C72		CE04DW1C330M	ELECTRO	33UF	16WV
C73 -76		C93-0025-05	CERAMIC	0.22UF	K
C79 ,80		CE04CW1C4R7M	ELECTRO	4.7UF	16WV
C81		CE04CW1A470M	ELECTRO	47UF	10WV
C82		CE04CW1A220M	ELECTRO	22UF	10WV
C83		CE04CW1A470M	ELECTRO	47UF	10WV
C84 ,85		C90-2765-05	ELECTRO	2200UF	16WV
C86 -88		CK73FB1H223KTA	CHIP C	0.022UF	K
C89		CE04DW1E4R7M	ELECTRO	4.7UF	25WV
C90		C92-0009-05	CHIP TAN	4.7UF	10WV
C91 -94		CE04DW1E4R7M	ELECTRO	4.7UF	25WV
C95		CE04CW1C100M	ELECTRO	10UF	16WV
C96		CK73FB1H473KTA	CHIP C	0.047UF	K
C97		CE04DW1C470M	ELECTRO	47UF	16WV
C98		CE04DW1A101M	ELECTRO	100UF	10WV
C99		CK73FB1H223KTA	CHIP C	0.022UF	K
C100		CK73EB1H683K	CHIP C	0.068UF	K
C101		CK73FB1H223KTA	CHIP C	0.022UF	K
C102	*	C90-2804-05	ELECTRO	47UF	16WV
C104		CK73FB1H153KTA	CHIP C	0.015UF	K
C105		CE04CW1H010M	ELECTRO	1.0UF	50WV
C106,107		CK73FB1H223KTA	CHIP C	0.022UF	K
C108		CE04CW1A101M	ELECTRO	100UF	10WV
C109		CK73FB1H223KTA	CHIP C	0.022UF	K
C110-112		CK73FB1H103K	CHIP C	0.010UF	K
C113		CE04CW1H010M	ELECTRO	1.0UF	50WV
C114		CK73EB1H104K	CHIP C	0.10UF	K
C115		CK73FB1H103K	CHIP C	0.010UF	K
C116		CE04CW0J330M	ELECTRO	33UF	6.3WV
C117		CE04CW1H010M	ELECTRO	1.0UF	50WV
C118		CK73FB1H222K	CHIP C	2200PF	K
C119		CK73FB1H682K	CHIP C	6800PF	K
C120		CK73FB1H222K	CHIP C	2200PF	K
C121		CK73FB1H332K	CHIP C	3300PF	K
C122		CK73FB1H102K	CHIP C	1000PF	K
C123		CK73FB1H152K	CHIP C	1500PF	K
C124,125		CK73FB1H223KTA	CHIP C	0.022UF	K
C126		CE04CW1H010M	ELECTRO	1.0UF	50WV
C127		C93-0025-05	CERAMIC	0.22UF	K
C128		CE04CW1H010M	ELECTRO	1.0UF	50WV
C129		CK73FB1H102K	CHIP C	1000PF	K
C130		CK73FB1H681K	CHIP C	680PF	K
C131		CE04CW1C100M	ELECTRO	10UF	16WV
C132		CC73FCH1H120J	CHIP C	12PF	J

Ref. No. 参照番号	New Parts 新	Parts No. 部品番号	Description 部品名／規格		Destination 仕向
C133		CE04CW1C4R7M	ELECTRO	4.7UF	16WV
C134		CE04CW1HR47M	ELECTRO	0.47UF	50WV
C135		CK73FB1H223KTA	CHIP C	0.022UF	K
C136,137		CE04CW1H010M	ELECTRO	1.0UF	50WV
C138		CK73FB1H102K	CHIP C	1000PF	K
C139		CK73FB1H223KTA	CHIP C	0.022UF	K
C140,141		CE04CW0J221M	ELECTRO	220UF	6.3WV
C142,143		CK73FB1H223KTA	CHIP C	0.022UF	K
C144,145		CC73FCH1H220J	CHIP C	22PF	J
C146		CE04CW1A221M	ELECTRO	220UF	10WV
C147		CK73FB1H223KTA	CHIP C	0.022UF	K
C148		CK73BB1H104K	CHIP C	0.10UF	K
C149		C90-2525-05	NP-ELECT	2.2UF	35WV
C150		CE04CW1H010M	ELECTRO	1.0UF	50WV
C151		CC73FCH1H101J	CHIP C	100PF	J
C152		CK73FB1H223KTA	CHIP C	0.022UF	K
C153		CE04CW1A220M	ELECTRO	22UF	10WV
C154		CK73FB1H473KTA	CHIP C	0.047UF	K
C155		CK73FB1H223KTA	CHIP C	0.022UF	K
C156		CK73FB1H473KTA	CHIP C	0.047UF	K
C157-160		CK73FB1H682K	CHIP C	6800PF	K
C162		CE04CW1C4R7M	ELECTRO	4.7UF	16WV
311 3D	*	D10-2837-03	LEVER		
312 3D	*	D10-2838-03	LEVER		
313 3D	*	D21-2142-04	SHAFT		
CN1 2D	*	E58-0825-05	RECTANGULAR RECEPTACLE		
CN2 2D		E40-9284-05	SOCKET FOR PIN ASSY		
CN3		E40-3240-05	PIN ASSY		
J1 2D	*	E56-0809-05	CYLINDRICAL RECEPTACLE		
J2 2D		E13-0446-05	PHONO JACK (4P RCA)		
TP1		E40-9184-05	PIN ASSY		
TP2		E40-3640-05	PIN ASSY		
WH1 1D	*	E30-4126-05	CORD WITH PLUG (ANNTENA)		
WH2	*	E39-0046-05	WIRING HARNESS		
321 1D	*	F01-1437-03	HEAT SINK		
323 3D	*	G01-2669-04	EXTENSION SPRING		
326 3D	*	G02-1168-03	FLAT SPRING		
327 3C	*	J19-4535-03	HOLDER (LCD)		
328 3D	*	J21-7476-03	MOUNTING HARDWARE		
CF1 ,2		L72-0715-05	CERAMIC FILTER		
L1		L92-0131-05	FERRITE CORE (KRC-580)		K
L3 -6		L40-4791-17	SMALL FIXED INDUCTOR(4.7UH,K)		
T1		L30-0719-05	FM IFT		
X1		L77-1163-05	CRYSTAL RESONATOR(4.5MHz)		
X2		L78-0525-05	RESONATOR (456KHz)		
G 2C,3C		N30-2604-46	PAN HEAD MACHINE SCREW		
H 1D,2C		N30-3005-46	PAN HEAD MACHINE SCREW		
J 1D		N80-3010-46	PAN HEAD TAPTITE SCREW		
L 1D	*	N83-3016-46	PAN HEAD TAPTITE SCREW		
R1 ,2		RK73FB2A823J	CHIP R	82K	J 1/10W
R3 ,4		RK73FB2A181J	CHIP R	180	J 1/10W

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KRC-580/590

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(X14-5110-XX)

Ref. No. 参照番号	New Parts 新	Parts No. 部品番号	Description 部品名/規格			Destination 仕向
R5 ,6		RK73FB2A334J	CHIP R	330K	J	1/10W
R7 ,8		RK73FB2A153J	CHIP R	15K	J	1/10W
R9 ,10		RK73FB2A183J	CHIP R	18K	J	1/10W
R11		RK73FB2A223J	CHIP R	22K	J	1/10W
R12		RK73FB2A621J	CHIP R	620	J	1/10W
R13 ,14		RK73FB2A223J	CHIP R	22K	J	1/10W
R15 ,16		RK73FB2A220J	CHIP R	22	J	1/10W
R21		RK73FB2A183J	CHIP R	18K	J	1/10W
R22		RK73FB2A103J	CHIP R	10K	J	1/10W
R23 ,24		RK73FB2A472J	CHIP R	4.7K	J	1/10W
R25 ,26		RK73FB2A362J	CHIP R	3.6K	J	1/10W
R27		RK73FB2A562J	CHIP R	5.6K	J	1/10W
R28		RK73FB2A472J	CHIP R	4.7K	J	1/10W
R31 ,32		RK73FB2A103J	CHIP R	10K	J	1/10W
R35 ,36		RK73FB2A472J	CHIP R	4.7K	J	1/10W
R37 ,38		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R41 ,42		RK73FB2A332J	CHIP R	3.3K	J	1/10W
R43 ,44		RK73FB2A472J	CHIP R	4.7K	J	1/10W
R47 -50		RK73FB2A101J	CHIP R	100	J	1/10W
R51 -54		RK73FB2A472J	CHIP R	4.7K	J	1/10W
R55 ,56		RK73FB2A183J	CHIP R	18K	J	1/10W
R57 ,58		RK73FB2A472J	CHIP R	4.7K	J	1/10W
R59 -62		RK73EB2B2R2J	CHIP R	2.2	J	1/8W
R63 ,64		RK73FB2A183J	CHIP R	18K	J	1/10W
R65 ,66		RK73FB2A472J	CHIP R	4.7K	J	1/10W
R67 -70		RK73EB2B2R2J	CHIP R	2.2	J	1/8W
R76 -79		RK73FB2A103J	CHIP R	10K	J	1/10W
R80 ,81		RK73FB2A472J	CHIP R	4.7K	J	1/10W
R85		RK73FB2A103J	CHIP R	10K	J	1/10W
R86		RD14DB2H2R2J	SMALL-RD	2.2	J	1/2W
R93		RD14DB2H561J	SMALL-RD	560	J	1/2W
R94 ,95		RK73FB2A103J	CHIP R	10K	J	1/10W
R96		RK73FB2A4R7J	CHIP R	4.7	J	1/10W
R97		RK73FB2A122J	CHIP R	1.2K	J	1/10W
R98		RK73FB2A471J	CHIP R	470	J	1/10W
R99		RK73FB2A331J	CHIP R	330	J	1/10W
R100		RK73FB2A121J	CHIP R	120	J	1/10W
R101		RK73FB2A221J	CHIP R	220	J	1/10W
R102		RK73FB2A822J	CHIP R	8.2K	J	1/10W
R103		RK73FB2A472J	CHIP R	4.7K	J	1/10W
R104		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R105		RK73FB2A472J	CHIP R	4.7K	J	1/10W
R106		RK73FB2A392J	CHIP R	3.9K	J	1/10W
R107		RK73FB2A513J	CHIP R	51K	J	1/10W
R108		RK73FB2A123J	CHIP R	12K	J	1/10W
R109		RK73FB2A753J	CHIP R	75K	J	1/10W
R110		RK73FB2A153J	CHIP R	15K	J	1/10W
R111		RK73FB2A102J	CHIP R	1.0K	J	1/10W
R112		RK73FB2A682J	CHIP R	6.8K	J	1/10W
R113		RK73FB2A752J	CHIP R	7.5K	J	1/10W
R114		RK73FB2A103J	CHIP R	10K	J	1/10W
R115		RK73FB2A473J	CHIP R	47K	J	1/10W
R116		RK73FB2A102J	CHIP R	1.0K	J	1/10W
R117		RK73FB2A362J	CHIP R	3.6K	J	1/10W
R118		RK73FB2A562J	CHIP R	5.6K	J	1/10W

Ref. No. 参照番号	New Parts 新	Parts No. 部品番号	Description 部品名/規格			Destination 仕向
R119,120		RK73FB2A393J	CHIP R	39K	J	1/10W
R121		RK73FB2A331J	CHIP R	330	J	1/10W
R122		RK73FB2A362J	CHIP R	3.6K	J	1/10W
R123		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R124		RK73FB2A101J	CHIP R	100	J	1/10W
R125		RK73FB2A102J	CHIP R	1.0K	J	1/10W
R126		RK73FB2A104J	CHIP R	100K	J	1/10W
R127		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R128		RK73FB2A473J	CHIP R	47K	J	1/10W
R129		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R130		RK73FB2A104J	CHIP R	100K	J	1/10W
R131		RK73FB2A101J	CHIP R	100	J	1/10W
R132		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R133		RK73FB2A104J	CHIP R	100K	J	1/10W
R134		RK73FB2A153J	CHIP R	15K	J	1/10W
R135		RK73FB2A472J	CHIP R	4.7K	J	1/10W
R136		RK73FB2A223J	CHIP R	22K	J	1/10W
R137,138		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R139		RK73FB2A102J	CHIP R	1.0K	J	1/10W
R140		RK73FB2A101J	CHIP R	100	J	1/10W
R141,142		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R143		RK73FB2A473J	CHIP R	47K	J	1/10W
R144		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R145		RK73FB2A104J	CHIP R	100K	J	1/10W
R146		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R147		RK73FB2A682J	CHIP R	6.8K	J	1/10W
R148		RK73FB2A102J	CHIP R	1.0K	J	1/10W
R149		RK73FB2A103J	CHIP R	10K	J	1/10W
R150		RK73FB2A472J	CHIP R	4.7K	J	1/10W
R152,153		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R154		RK73FB2A223J	CHIP R	22K	J	1/10W
R155,156		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R157		RK73FB2A104J	CHIP R	100K	J	1/10W
R158		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R159		RK73FB2A473J	CHIP R	47K	J	1/10W
R160,161		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R162		RK73FB2A332J	CHIP R	3.3K	J	1/10W
R165		RK73FB2A101J	CHIP R	100	J	1/10W
R166,167		RK73FB2A102J	CHIP R	1.0K	J	1/10W
R168		RK73FB2A152J	CHIP R	1.5K	J	1/10W
R169		RK73FB2A103J	CHIP R	10K	J	1/10W
R170-180		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R181		RK73FB2A473J	CHIP R	47K	J	1/10W
R182		RK73FB2A241J	CHIP R	240	J	1/10W
R183		RK73FB2A473J	CHIP R	47K	J	1/10W
R187		RK73FB2A101J	CHIP R	100	J	1/10W
R188		RK73FB2A331J	CHIP R	330	J	1/10W
R189		RK73FB2A223J	CHIP R	22K	J	1/10W
R190		RK73FB2A473J	CHIP R	47K	J	1/10W
R191		RK73FB2A471J	CHIP R	470	J	1/10W
R192		RK73FB2A223J	CHIP R	22K	J	1/10W
R193		RK73FB2A104J	CHIP R	100K	J	1/10W
R194		RK73FB2A222J	CHIP R	2.2K	J	1/10W
R195,196		RK73FB2A124J	CHIP R	120K	J	1/10W
R197		RK73FB2A103J	CHIP R	10K	J	1/10W

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(X14-5110-XX)
(X25-7120-10)
(D40-1054-05)

Ref. No. 参照番号	New Parts 新	Parts No. 部品番号	Description 部品名/規格	Destination 仕向
R198		RK73FB2A472J	CHIP R 4.7K J 1/10W	
R199		RK73FB2A332J	CHIP R 3.3K J 1/10W	
R200		RK73EB2B100J	CHIP R 10 J 1/8W	
VR1 -3		R12-0678-05	TRIMMING POT.(10K ｳﾋﾞ)	
VR4		R12-0680-05	TRIMMING POT.(47K ｳﾋﾞ)	
VR5 ,6		R12-0679-05	TRIMMING POT.(22K ｳﾋﾞ)	
W1		R92-2052-05	CHIP R 0 J 1/10W	M
W2 ,3		R92-2052-05	CHIP R 0 J 1/10W	
S1 2D		S40-1139-05	PUSH SWITCH	
D1 ,2		MA110	DIODE	
D1 ,2		1SS355	DIODE	
D3 -5		AM01Z	DIODE	
D3 -5		ERA15-01	DIODE	
D7		DAN202K	DIODE	
D8 ,9		MA8068-M	ZENER DIODE	
D10		MA110	DIODE	
D10		1SS355	DIODE	
D11		HZS11B2L	ZENER DIODE	
~~D12 ,13~~		~~AM01Z~~	~~DIODE~~	
D12 ,13		ERA15-01	DIODE	
D14		1SS133	DIODE	
D15 -17		MA110	DIODE	
D15 -17		1SS355	DIODE	
D21 -23		RD5.6JS(B2)	ZENER DIODE	
D24 -29		MA110	DIODE	
D24 -29		1SS355	DIODE	
D30		MA110	DIODE (KRC-590)	M
D30		1SS355	DIODE (KRC-590)	M
D31	*	MA8056	ZENER DIODE	
D41 ,42		1SS133	DIODE	
D43 ,44		RD5.6JS(B2)	ZENER DIODE	
D45		MA8062-M	ZENER DIODE	
IC1		BA3430FS	IC(STEREO PRE AMPLIFIER)	
IC2		HA12134AF	IC(DOLBY B NR SYSTEM)	
IC4	*	TEA6320T	ANALOG IC	
IC5 ,6 1D	*	AN7190K	ANALOG IC	
IC7		BA3121F	IC(ISO AMP)	
IC8	*	BA3913-V4	ANALOG IC	
IC9	*	17005GF-694-3B9	MI-COM IC	
IC10		LA1862M	IC	
Q1 ,2	*	2SD2114K	TRANSISTOR	
Q3 ,4		2SC2412K	TRANSISTOR	
Q5		DTA144EK	DIGITAL TRANSISTOR	
Q6 ,7		DTC144EK	DIGITAL TRANSISTOR	
Q8		DTC124EK	DIGITAL TRANSISTOR	
Q9		DTC144EK	DIGITAL TRANSISTOR	
Q10		DTA144EK	DIGITAL TRANSISTOR	
Q11		DTC144EK	DIGITAL TRANSISTOR	
Q12		DTA124EK	DIGITAL TRANSISTOR	
Q13 2C		2SB1565	TRANSISTOR	
Q14		2SC2412K	TRANSISTOR	
Q15 ,16		2SB1326	TRANSISTOR	
Q17 ,18		DTC114EK	DIGITAL TRANSISTOR	
Q19		2SA1428	TRANSISTOR	
Q20		DTC114EK	DIGITAL TRANSISTOR	
Q21		2SK536	FET	
Q22		2SA1037K	TRANSISTOR	
Q23		DTA114EK	DIGITAL TRANSISTOR	
Q24 ,25		DTC144EK	DIGITAL TRANSISTOR	
Q26		2SC2413K	TRANSISTOR	
Q27		2SC2412K	TRANSISTOR	
Q29		DTA144EK	DIGITAL TRANSISTOR	
Q30		DTC144EK	DIGITAL TRANSISTOR	
Q31 ,32		2SC2412K	TRANSISTOR	
Q33		DTC144EK	DIGITAL TRANSISTOR	
Q34		DTA144EK	DIGITAL TRANSISTOR	
Q35		DTC114TK	DIGITAL TRANSISTOR	
Q36		DTA144EK	DIGITAL TRANSISTOR	
Q37		DTC144EK	DIGITAL TRANSISTOR	
Q38 ,39		2SC2412K	TRANSISTOR	
Q40 ,41		2SC2412K	TRANSISTOR	
TU1 2D	*	W02-1430-05	FM/AM FRONT-END	

SWITCH UNIT(X25-7120-10)

D1 -20		B30-1349-05	LED	
D21	*	B30-1417-05	LED	
PL1		B30-1305-05	LAMP (5.5V .125A)	
PL2 ,3		B30-1306-05	LAMP (5.5V .125A)	
PL4		B30-1305-05	LAMP (5.5V .125A)	
CN1	*	E40-9285-05	PIN ASSY	
R1		RK73EB2B331J	CHIP R 330 J 1/8W	
R2		RK73EB2B471J	CHIP R 470 J 1/8W	
R3 -7		RK73EB2B331J	CHIP R 330 J 1/8W	

CASSETTE MECHANISM ASSY(D40-1054-05)

1 2A		A10-2345-08	CHASSIS ASSY	
2 3B		J21-7524-08	MOUNTING HARDWARE (P.B. HEAD)	
3 3B		D14-0630-08	SPRING ROLLER	
4 3B		G01-2613-08	TORSION SPRING (PINCH ROLLER)	
5 3B		D10-2907-08	SLIDER	
6 3B		D13-1102-08	GEAR	
7 3B		J90-0741-08	TAPE GUIDE	
8 2B		J19-4554-08	HEAD HOLDER	
9 2B		J11-0604-08	CLAMPER	
11 3B		D10-2908-08	SHIFT PLATE	
12 3B		G01-2695-08	H.G SPRING	
13 3B		J90-0742-08	WASHER	
15 2B		E39-0059-08	WIRING HARNESS	
16 2B		D10-2752-08	PINCH ROLLER ASSY (F)	
17 2A		D10-2753-08	PINCH ROLLER ASSY (R)	
19 2B		J21-7528-08	MOUNTING HARDWARE	
20 1B		D10-2909-08	SLIDER	
22 3A		D03-0308-08	REEL DISK	
23 3A		D13-1103-08	GEAR	
24 3A		D13-1104-08	GEAR	
25 3A		D13-1105-08	GEAR	
26 3A		D13-1106-08	GEAR	
27 3A		D13-1107-08	GEAR (REV)	
28 3A		D10-2755-08	ARM	

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⚠ indicates safety critical components.

KRC-580/590

PARTS LIST

* New Parts
Parts without Parts No. are not supplied.
Les articles non mentionnes dans le Parts No. ne sont pas fournis.
Teile ohne Parts No. werden nicht geliefert.

(D40-1054-05)

Ref. No. 参照番号	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向
29 3A		A11-0889-08	SUB CHASSIS ASSY	
30 3A		G01-2618-08	COMPRESSION SPRING	
31 3A		D13-1111-08	GEAR	
32 3A		D10-2756-08	ARM	
33 3A		D10-2757-08	ARM	
34 3A		G01-2614-08	TORSION SPRING	
36 3A		D03-0307-08	REEL DISK ASSY	
41 2A		E60-0801-08	CONNECTOR	
43 1B		D10-2758-08	ARM	
44 1A		D10-1346-08	SLIDER	
45 1B		G01-1574-08	TENSION SPRING	
46 1A		G11-1550-08	CUSHION	
47 1A		G01-2696-08	TORSION SPRING	
48 1A		J19-4451-08	HOLDER	
49 1A		D10-2759-08	ARM	
50 1A		D10-2768-08	SLIDER	
51 1B		G02-1153-08	FLAT SPRING	
52 1A		G09-0051-08	SPRING	
56 2A		D14-0631-08	ROLLER	
57 2A		D14-0632-08	ROLLER	
58 2A		D10-2747-08	LEVER	
59 2A		G01-2620-08	TENSION SPRING	
60 2A		G01-2621-08	TENSION SPRING	
61 2A	*	D10-2912-08	LEVER	
64 2B		D10-2769-08	SLIDER	
65 2B		G09-2006-08	SPRING	
66 2B		G09-2007-08	SPRING	
70 3A		D10-2754-08	ARM	
71 2A		D13-1109-08	GEAR	
72 3A		G01-2616-08	TORSION SPRING	
74 3B		D01-0605-08	FLYWHEEL ASSY	
75 3B		D16-0606-08	BELT	
77 2A		G01-2619-08	COMPRESSION SPRING	
78 2B		D13-1110-08	GEAR	
79 2B		D15-0909-08	PULLEY	
80 2A		G01-2617-08	TORSION SPRING	
81 2B		D10-2760-08	ARM	
82 2B		N09-4055-08	SCREW	
83 2A		D10-2761-08	ARM	
84 2B		D10-2762-08	ARM	
85 1A		G01-2622-08	TENSION SPRING	
86 3B		D10-2749-08	LEVER	
87 3A		N09-4056-08	SCREW	
88 2A		D10-2763-08	ARM	
89 2B		G01-2623-08	TENSION SPRING	
90 2B		N19-2038-08	FLAT WASHER	
91 1B		G01-2697-08	TENSION SPRING	
92 1B	*	D10-2913-08	LEVER	
93 1B	*	D10-2914-08	LEVER	
94 2B		D10-2764-08	ARM	
95 2B		G01-2625-08	TENSION SPRING	
96 1B		D10-2765-08	ARM	
97 1B		G01-2626-08	TENSION SPRING	
98 3B		N19-2035-08	FLAT WASHER	
99 1B		D10-2766-08	ARM	

Ref. No. 参照番号	New Parts 新	Parts No. 部品番号	Description 部品名／規格	Destination 仕向
100 1B		T94-0406-08	SOLENOID COIL	
101 1B		T94-0407-08	SOLENOID	
102 1B		G01-2698-08	TENSION SPRING	
103 2B		D19-0604-08	PIN	
104 2B		G01-2627-08	TENSION SPRING	
150 2B		N09-4009-05	SCREW	
151 3B		N09-4009-05	SCREW	
153 3B		N19-2036-08	FLAT WASHER	
154 2A,2B		N19-2037-08	FLAT WASHER	
155 1A,2A		N84-2003-45	SCREW	
156 1A		N24-3015-60	E TYPE RETAINING RING	
157 1B		N09-4059-08	SCREW	
158 2B,3A		N19-2043-08	FLAT WASHER	
159 2A		N19-2039-08	FLAT WASHER	
160 2B,3A		N24-3020-60	E TYPE RETAINING RING	
161 2A		N09-4058-08	SCREW	
162 3B		N19-2050-08	FLAT WASHER	
163 2A,2B		N19-2041-08	FLAT WASHER	
164 2A,2B		N19-2042-08	FLAT WASHER	
165 3A		N09-4092-08	SCREW	
166 2B		N09-4060-08	SCREW	
167 3B		N09-4109-08	SCREW	
168 3B		N09-4110-08	SCREW	
HD1 2B		T31-0214-08	PLAYBACK HEAD	
M1 2A		T42-0734-08	MOTOR ASSY	
S1 2A		S62-0813-08	SLIDE SWITCH	
S2 2A		S68-0803-08	PUSH SWITCH	
S3 2B		S62-0812-08	SLIDE SWITCH	

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KRC-580/590

SPECIFICATIONS

Specifications subject to change without notice.

FM tuner section

Frequency range (200 kHz space)	87.9 MHz – 107.9 MHz
(50 kHz space)	87.5 MHz – 108.0 MHz
Usable sensitivity (S/N=30 dB)	9.3 dBf (0.8 µV/75 ohms)
50 dB Quieting Sensitivity	15.2 dBf (1.6 µV/75 ohms)
Frequency response (±3 dB)	30 Hz – 15 kHz
Signal to Noise ratio	73 dB
Selectivity	100 dB
Capture Ratio	1.5 dB
Image Response Ratio	70 dB
IF Response Ratio	120 dB
Stereo Separation (1 kHz)	40 dB

AM tuner section

Frequency range (10 kHz space)	530 kHz – 1700 kHz
(9 kHz space)	531 kHz – 1611 kHz
Usable sensitivity	28 dB (30 µV)

Cassette deck section

Tape speed	4.76 cm/sec.
Wow & Flutter (WRMS)	0.12 % WRMS
Fast winding time (C-60)	100 sec.
Frequency response (120 µs)	30 Hz – 14 kHz (±3 dB)
(70 µs)	30 Hz – 16 kHz (±3 dB)
Stereo separation (1 kHz)	43 dB
Signal to Noise ratio	54 dB
(Dolby B NR ON)	63 dB

Audio section

Maximum output power	25 W X 4
Output power (10% THD, 1 kHz, 4 ohms)	20 W X 4
(1% THD, 30 Hz – 20 kHz, 4 ohms)	15 W X 4
Tone action	Bass: 100 Hz ±10 dB Treble: 10 kHz ±10 dB
Preout level / load	1500 mV (max.) / 10 kohms

General

Operating voltage	14.4 V (11 – 16 V allowable)
Current consumption	7.5 A at Rated power
Installation size (W X H X D)	182 X 53 X 154 mm (7-3/16 X 2-1/16 X 6-1/16 in.)
Weight	3.7 lb (1.7 kg)

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